

FIGURE 1

1 aagcttcctt tgtagaggag aatgagtact tactgcttac aagacaagca gcatgttttt
 61 caaaagtcaa aagaaagctt gtgaggaaca aggtactact ctctagatag ctggccttgt
 121 cttatgcaca ttcattaatt cttttgtgc acagaaataa catgtccatg aacctggggg
 181 aacctctt ttgagagacc ttgatcttgg agttcctctg actcaatatt aggagcaaga
 241 tagagtaaga cacctatatt tttatgtttg ccattacata agaatgaatg aaacaaaggc
 301 atagttctgc attgggttaat aaaacaaaaa gcccgctaaa aggcaatgtt atatattcgg
 361 caatcacatt ttgaagacca actatattca agactcatgg cagggttctgc atgccactga
 421 tgcattctgca tgacctttcc aaggctatgt gtcacagcag ccccgaaatc gtggcctcta
 481 agggcctaag tgttctggag taaataggcc agggcagcac ctctgagaaa taggggctca
 541 ccccatcctg agccaccttc ccagtctctg agcaacctca gcatcagtgg ccctctgacc
 601 gcatcagcct gtgggtccct acttctctga acacatacaa ttttctttct ttttaattggc
 661 aagctttgaa aaacaagtac atgagtgaac acagagcaaa gagtttagtc tgggagctat
 721 ttctcgtaag tctcttttga gaaagagttt ctageccttc cccactttca tgagattaga
 781 gagataagaa caggaacatg gagggagggg tccacactct ggaaaacact tttgagctg
 841 ataaccaccc taatgaagcc ccaaagctat cgcctttgga tgggtttctc aaacatggaa
 901 ttctaccagg atttctgtca acaggcctcc taatccctc tcgctgcca agccacatgc
 961 tacacaaagg tgaagaacaa gaaaggcatt gagacacgtg ttctatccag ccaggggatg
 1021 cacaatgtct gccacgcag gctgcgttat tatcagcagg aactgacaga ggggtctggt
 1081 ctcccctctc caggcagtgg aggggacgct tcccacctct gacctgtggc tgagcccagc
 1141 ccgagcagaa atcccagaag aggtcccggc cttgctcgca tccgtctcc tgtgctaaga
 1201 cctggctgga atgaaagata gtaaaagttc tttcacattg ggaaggcctt tacaaagctt
 1261 gcttttacta ttttataatc tctacatttt attgtccttt taaaatcaca aaagcaagca
 1321 gaaacatgag gaggtgctt tttttgctct cccattcaac aactgggctg ctgagtacc
 1381 agttccccct actacttgat ttggaaatgg acactagaaa tttttccac ttgtgactga
 1441 agctgcagaa acttcaacct gttttcagtt accctgttgt acctaataag agtccatcct
 1501 cttttcagtg gaaagaaagc catggacgag gcattgcagg tctagtgtgg ctctcagact
 1561 ctctgggagc agctgacgca catttaagaa caggaggtcc ctgaagggtg gctgaggaca
 1621 gatcacgaga ccagaggtga gagggcccg acagggttgg agccctactt ttgggtgtga
 1681 gcagtggggt ctgatgcacc acggtgaagg cattcagcag ccagggtcctg agtagcagaa
 1741 acacaggata cacagagggc aatgtcttag agccacacca actgggtagg actgaacaga
 1801 tggatcattca acagatgata cacctttagg gtgtatcagc aatccattgg aaaacttgtt
 1861 aaaaggcaga ttctagctca gccctagatt ctgatccagc aggcaggaat ctgcatgttt
 1921 ccagtttttc cagctgattc taatgtagat ggactctgga ttgccatttg agagacactg
 1981 atgtagaaca agatcggtta gactggagac attggccaag gtaatttcta gagaaaatgt
 2041 gcttgctcaa agtcttgagg acaaatttaa gatcagagtc tagagaaatg aacatgaaca
 2101 tactcacagc ttaaaggcta gggtgggagg cccaaaggaa gcacatgttc aaggcacaag
 2161 cgagtcatta cagtgaacaa gcctcagaga agcttctgga agcccatgat ctggcagatg
 2221 gcacacacaa tagtatggca gatggtacat accaggtaaa ccctaaatgc ataaggttcg
 2281 tattacacgt aggaaaacaa ggcataagcc taagcaaggg gcctggcccc tccaaatcta
 2341 caggtaatgg gcagagtcct ttagaagcat ggggtgcatta ggggaatttta ccttgctca
 2401 acagaaacta tggtaagcgt aggtgctgca aggaagccat acttcaattg ctctacatct
 2461 attattccag caaagatgat gctaggttct atgagaaatt cttaaagcga cacagctctg
 2521 ttgtcaaaga gcttacgata taatcataaa gcactttaga aaacttggct atttaagtaa
 2581 gcccaaatac tggataatat tgaagcagtt gactgcaatc tagagtacaa agtgggtcct
 2641 gtgcagccag gaaaaagctc acagagttag cagagggtcg agactaagtg atttaaagcc
 2701 ctcataatct tttctgcatg gccctttttt ccagcaggcc tgaccatgtt ctatgcaatt
 2761 cacaccatct gaaaatacat cgcagcccc ctgttcccc cacagcatta gttctcacct
 2821 tgaagcttct gggactcaca ttcagcttct tgccctgttc ctagtctcat cttctgatac
 2881 tccaccttcc ctgttaaggt tttgccatgc ccttgaacat gacattagat acaactccag
 2941 ttttgactct tactaccctc tctctcccca ttcacggcac aatgatgatt tgcaaactcc
 3001 ctccagccac cttggatata taatcacggt ccttgatcca accttgcccc tgacctttgc
 3061 atccttgtag cttggtagtg caccttgtag ctccatgggc agcagctcca tgggaatttt
 3121 ccagtcaccag agaattcatg cattcatgaa gggaaagaac aaatgggatg agtatgaagg
 3181 cagaaaggag agttggaaga taaggagcaa tagtcagaca ggagaacctc cattttgaga

FIGURE 1 (continued)

3241 tcaacgataa tgtcttccct ctcaatcagg atactttctta atctcaagta ctctattggg
 3301 aaggaagaga tcagctgttt ctgggctcaa ataaaggtaa tctttggctg gaagcactag
 3361 gcaagcacag tcttctacat cttgatggag cctcatagga aggtggaggc taaagcacia
 3421 atgacatgta aaggaaagtc tggtagatt gagcattagt ggaagaactt tggtaggctg
 3481 gctgattttt cacctgagcc aggttgctgg aggcgtgttc ttgctgagtt tcatctgtgg
 3541 ccccaaagcc tttggggatt cagaaccaat gggtagctg cagtctggcc tccacatgac
 3601 ccccaactgg ctttgtgatg aaaggaatca tgttccatgt aagaacccat cttctgaaca
 3661 ccccaactgca ctctcactgg tagaagacaa atctgatgct ctaggagggtt atatagttta
 3721 tttctttctca tttcaacctt tctatttctc agacacatat gcacagggtc acacacacac
 3781 aagtgcacac acacacgtgc ttgtgcacac acatacacac acagaggact ttgaactgcc
 3841 taagggcaag aataattccg tattcatggt ctacaatgcc tggagaaagc ttttcacaca
 3901 gtaggccttc aaaaaattcc actaatgagc aggtattcata atagtaaagt aaatgatgct
 3961 gctacaaatc tgagccatgg gaggatccat gaagaatgcc aggtacgaat accttcaggg
 4021 tccgtctcat agggatgcag tcccatagat gtctataagc cctttaactc acagcctcaa
 4081 attaatcaag caaagagact aagagaaact tgtcaagtct tgtatctcct taattttacc
 4141 ttatgctaag tttccatgac agggagcagc tatgactggg cagcagtcac cagccatagt
 4201 ccagcccttg gaggttgga gatctatagc ctgattgaa gagtgtggaa atggctagga
 4261 aagtaaggat aggttaagaat tatctattgt atctactcta taaaattata gaaaagccac
 4321 tcttcacttt cccaagaacc cctcattgat aaagatttgc agaaagtgtc tgtctggggg
 4381 cctgttgct tcctttactt gtccctgagtc agccacagct gtttccctcc ttataatcat
 4441 ctcatgtgca ttggatggca gcagagactt tatgagaaag ctcatgtggc tacggccctg
 4501 cctcctttgc acgaggataa gaggtttcaa gaagacctt ttcacaaggg ctgtgccagg
 4561 atttgggcca gtcccacagc attccaggtc cttgaagtct ggctgaaaac ctgtgggaa
 4621 gagaaaacct tctaagcaag agaaagccaa catatattaa aatgttcttg tcttcccgga
 4681 taggttgtgt tttgtgaata gggcaatatg tcatttctcc caggaaaaga aaacacaaaa
 4741 ctgattcaaa atgtactgag gtaaaaagag ttgcagaaga aaattaatct tcagattccc
 4801 taactttttg tgtcccataa ataactgtg gcctgtccc agagagaaat gtgtctgcca
 4861 ttttggcaaa ccaggatatc gagagagaga atagagtgc cctgtcttga ggaaagacca
 4921 caaggcaaac ataaatgaaa agaacaaaga ctctgtattg ttgagctgaa tggccacca
 4981 aatatcccaa agaatgaact ttaactttct caacagaaag gcaaccacag gaagtttggc
 5041 agctcatgga gaaagtctct tcatgaatat gtggccttta cagtgtctcg tctttacaca
 5101 gaattaactc cgggcctgaa agatgtgtgc ctttctctgt tttgttttaa tggcagactc
 5161 agaacacagg gtacagtttt gcttctgtct ttaaagtgtt ccttgctttg cctccaagg
 5221 cctgtagcca gtccagcatt tttggcaaga cagaaacact ctccagtcct aagaatgccc
 5281 aggaaccaac agacatagat ggttccctaa cttatttctt gtgttcagat tcaagagtgg
 5341 aatcccagtt tggcctggct acagaggctg gaaggtagaa aaggtgaaaa attctctaaa
 5401 atgtttccag gttttctatt tactggataa gcaacaaacc aatagctgtt tggagttagt
 5461 agctggctgg cagcaatttt ccaagaattt ccaaatagca gtacgtggcc taagaaaggg
 5521 aggtaccagg aaaggagtaa gaaggagca aagtaaaaaa tgatttattg gtgcccttgg
 5581 caatataaag ttgaagtggc cagcgcagcc aaaagtattc tgctactgca gtagggaat
 5641 tagccaaggg tgggtgcaat tagagataca aggggtggta atttcactgg agaagccaac
 5701 tctaggtatg ggtgctgagc aattgcccc acaacctgcc aaggtatgtt ctatttgttt
 5761 tcaccaggac tgtggatagg ggtgtgtgtg cgagagagag agagagagaa aaaaaaagt
 5821 aggtcatcct atcaaaagag aaggtgaaag ggttgaggaa ggctctctt ctctctgatt
 5881 tattgtagag caggaagagt cactgtctgc aatacacaaa ataatactc aggaaaacag
 5941 gaagtcaaac tttcaagaat gcaaggggaa atcaaaaacca gagataggac aaggatgaat
 6001 gaaaacacct ggcatagaag tgaaaacgaga aaaaaggaaa cttttgcttt cttggaaata
 6061 cacaatcggg ctgagcctca ttctttggaa gtttaagtcca gtccttctga aaaagatgtg
 6121 tggaccactg aagaggaacc atgatgataa ttcacccct gcaggctgtg ggagaggagg
 6181 tttggaagac aggtaggaag ttggctctct gaataatgta gacaatgagg aggtacatcg
 6241 tcttttgaga ggtgataagg aggcggccat catttagcaa aattctatgc ctctaataga
 6301 tagatgtgct taggtatttc tataccaatg gttgtaatga aaagagtata aacttgagtc
 6361 aaacagaaac aacttttctt tgtgtataca acaggaataa tgctgattac ccaatcttg
 6421 gctacagagt tagaatgaaa tggcacctgg aacataatag atgttctttg gatttaattt

FIGURE 1 (continued)

6481 attgtctttt cctcttcatg ccgagataaa agagtaccag tagaagaagt ttgagacaca
6541 ttctctagag acagaaaatg taaatggcat aagatgatca gtggctttac ccattgatcc
6601 ttccaacgaa aggtcgggtg taatggacaa gaaaggaagg gatgagaaac aaaagacagt
6661 ggacaaacgg aattcaaaac cagttgtgta tttctagtcc tggatttcag acactaaatg
6721 tagagcctct agttaagagt ggaacatctc tcacaatgcc tggagaccaa atgaactaat
6781 tcagaagctt taactaatgt gaaagaaatg ccagataaaa aaatgaagag aagctattaa
6841 gaataagaga tgtggcaaga aatataaagt tggaaagggt atcagtgaac cacatgaaga
6901 aataactaaa aatcaggcaa aaacaacact aatgaactca gatctctatg ttccaatgtc
6961 agagcatgga caacaaaaaa caagattcca acattgaatg gaaaatctga tctcaaaagc
7021 ttaccaggatg gccagggtgtg gtggctcaca cctgtaatcc caacacttta ggaggccggg
7081 actggcagat ctggcctgag gtcagaagtt caagaccagc ctggccaaca tgctgaaacc
7141 ccatctctat taaaaataca aaaattagcc aggcattgat gtacacacct gtagtcccag
7201 ctactcagga ggctgaggca caagaattac ttgaacctga gtggtggagg ctgtagtgag
7261 ctgagatcat gccactgtac tccagcctgg ccaacagagt aagactctgt ctcaaaaaaa
7321 aaaaattacc agaacttctt ggaatggagc tcaacattga aatattgcaa acatgctgag
7381 aagggaagac aaagtagtta taggcctaaa taatgctctg tgttgctgat ggcattactc
7441 acacactgta ggcagagata taaaatggta catatttcat agagggtaat tgaaaatatg
7501 tagtgagtgt tctgatgtgc catcagactc ttccttcaga accaaggagc ccattctect
7561 agttgcaaga ggatagcctg ctgcattggt ttctgatagc tgctctcaca aatattacca
7621 caaatttcat ggcttatgtt ttaggcaaat gctaaaactg tcttaacaa atgtattaac
7681 ttatagttct aggcacaga agtctgaaat gggctctgtg tggctaaaat caagacgtg
7741 gtagagctgc attcctttct ggagggtctt gggagaatc tattttgtt gttctgttg
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7861 aggtgctctg ccttcctcgg ctcatggccc cattccatct tcaaagttga atctttctta
7921 cattacgtca ttgacacct ctcccttctg ccttcctctt tataaggatc ctgttaatta
7981 tactggacct acctggataa tccagtataa tatctacatc ttcatttcat ctgcaacctt
8041 cattcttctt tgccatgtaa tctaacatat tcatagattt caggaattag gatatagaca
8101 tctttggggg ctgttattct acccgccatg tctgacagct gctcacagct gagtctctcc
8161 ccaggagtta tctttgggtg aaagcagctg cctcacacaa gggtatgctc cacaggaaaa
8221 actggcatcc aatgactggc tgatttgaag gcccaaagggt ccagccccc tcaatgcctc
8281 agtatggaac aatcctcact agccatccca gctccagggt gcccttgaat caactgaagc
8341 cactgctgca atgtattcca aaattcagct tttttctggg actagtcttg taattttagg
8401 tccctccaag ttgttgttct caagagctct ctccaatate ttcctgctaa caaatctctg
8461 tctcaaagtg tttcatggga aaaccaacct aaggcagtggt atgtcaggaa tggtcagagg
8521 aagctgactc taaaatagaa cttaggagat gggcacctcc tagcccata acaatgagga
8581 ccccatcact agtgaaaact gaagtgtgta tggccctcac atgttatact ggagtgttaa
8641 aatattcctt ggtggtcagt gggatgggat ataagtggaa ggaaatgcac caaaggatgc
8701 aatatctttg acatttgagc cattctgggg aaactgggat tgctgatgct gaatattatc
8761 tatgtgctgg gaaaaaagaa gggaaatctg ggaaagggga gctgatcaat tgtctattga
8821 aatcaaattg tgatagccag aggaacttct tggcagcact aaaaagtgac tctcatcttg
8881 tgtagtttga aagcagaaaa atctgagaat caggccaacg acttaattat aagtatagta
8941 caactcaaaa aaggtagaat tcttaatccc agcaaactct gaaactccag atccctcag
9001 aaccatttgc tctgtgaa gtgatgcact cctcttcaag taaagacccc ttagttgaag
9061 acaacacagg gttctctgcc tgtaaaacag tatgtcttct cttgggattt ggctcacatc
9121 taccctcctg gccactagag agtcagattg caatagaagc tggccaggaa agtgctgagt
9181 cagctaggaa aataaagagc ccaaaccoca aagggttgtt aggtcccagc caaatgtgc
9241 cagcagaggt cagtaaaactg taaatgggac taaagcctga gaagcctgga tcaaggggag
9301 tataatacaa atttgaataa gggagagatt gttgctgtga agctactctc ttacaataca
9361 gggttcaact ctggtaggca cccaggcaga tgggtgggtta tgttctgcta gcatagctct
9421 tggaaactac catattctac cataatatat tataaaagaa gaaacaaaa gactcaaagg
9481 ggtgggcata aaatgtagag ataaaatggg agctggaaaa cctaccagca gatgatgttc
9541 taagacatat cagaaagaca ttgtgctcac cagagcgatg agagaggtaa tgggagcaca
9601 gcagcaacag cgtcaagaaa ctcatgtgtt cctgtcctct gtaggccaag ctgattataa
9661 aaattgaaaa gtgggcccagg catggtggct cgtgcctgta atcccagcac tttgggagcc

FIGURE 1 (continued)

12961 acaacatgga tgaaccggga gggcattatg ctaactgaaa taagccagaa aaatgaggac
 13021 aaatactgta ttatctcaca tatggaatct aaaaaagtca cactcaccaa aacagaaagt
 13081 tgaatcatgg tttccagggg ctggagggtta ggggaaataa gagtatgttg gtcaaaggat
 13141 acaaaactttc taatataaga tgaataagct ctgaggatct aatgtacagc atggtggcta
 13201 tatttaatga tactgtattg tgtattttgta atttgctgag aatagatcct gtgttctcac
 13261 cacaaaaaca aaaatggtaa ctatctgagg ttagggatat gttaaccaac ataattgtga
 13321 taatcattcc ttcacaatat atacttatat caaataatca tgttgtatat tttaaagtga
 13381 tacaatttta tttgtcaatt atacatcaac acaagtggga gggaaaaaac gagaaaattg
 13441 catgagctaa tgaccaagt cctcatgtca ttcaccactg ttgcaccagc tatggctata
 13501 tgggcaccac ttatgttcag ctgatagagg aagggaaaag ccaagctttg ttcaaaacag
 13561 ttggggccagt ttgatgtagg aatacaaaac agaaaaggtc tttagtattc tcagtccac
 13621 tcatgaataa ccctaaaaga cagcagttag gggacatcct cccaatggac ttcaagtgat
 13681 gcaectggcc actcactttg tgtggaaagt ggctcaaggt caaatatata taaactcatg
 13741 ggcatttgta aatgggttgg ctggttgctt agtggcctgg aaggagaaag agtgaaagat
 13801 aaggaataag gaggtctggg gaagaggaat acggaagtgg acatgaagtg caaagagctt
 13861 catgaagatc tttgtatacc atgttaacgc ctaccatgga agaggcaatt tctagtcaaa
 13921 tggacagact gatttggcca ggtgatgtca gacagccctt tctcattaat caccocagtg
 13981 ctggcaagca ggcataatgaa cagagtaatc atggtggcag gcacggaggc tgtgcaaggc
 14041 agcttataaa ataggtgatc tagtttctgc tgctgctgaa tatctatcag gaacagagat
 14101 tactgccgag cccctgacaa agaacaattc ttcagagagt ccaatcgccc atgtgggtggc
 14161 acagcaatta cattaaacct ctttctccat ggaagggccca gcaattcacc ttgaaggaaa
 14221 tcaacacata cttaggatac aggtttgcca ttcctgccc tagatcctca gccggcacca
 14281 ttatctaagg acttacttca tgtacgattc actaacacag gagcccacag aacatcctgt
 14341 tgtaccaga aactcacttt agaagaaaag aggtacaacg atgagcacag gaccagctgc
 14401 tgactttata aggtaaaagga acaccctttt gaaagtattg ctgaagtacc acattcaata
 14461 taataactaa ggctggagtc ctttaagcatc ccgcacctc caggatgcag tgtccaccct
 14521 taataataag tgactattat acagtactgt gtctcctcta tatagattac atggttcagg
 14581 gtggaaatag ggctaattcc tectaccatc tcaactcaata acctaccagc ggaattcacc
 14641 ccttccatct ccacgactct gagctctgca gctctagaga gtctgggtcc aagaacagaa
 14701 acacttatac caggaacact acacgaatcc cattaaactt taagctacag ctggttggcac
 14761 tttatgtttc ttgtgccaag aggtcaacag gccaaaaaag gcatcaccat tttggcagtg
 14821 gtaattgatc aggagaaggt tgagctattg ttacacatgg tgacagaaaa gactatttgg
 14881 ctcccagaag gacttcttgg gcatctcttg gtaataccct agccaatcgt aatggttaat
 14941 ggataaaagt agtagtcag gcttgagaag ggcattgatga ctacaggctc agatccttca
 15001 tggatgaagg tttgggtcac ccaaccaggt aagccacctg gagcagagct ttcagccaag
 15061 ggggaagagaa ctctacactg ggttgtaaag aagggtattg atgagtgtca gttgtgtccc
 15121 tgagaacagc tgcattgttg agagctacag tttgtcccat taatcttctt cttgtacatt
 15181 tccctaggaa aagaagcaaa ccagagttct agaggagctc tcccagata ggggtgatttt
 15241 tttaaataag aaatatgtgg tccaagagtt gaaaggggta actgaaacaa tcaactttgat
 15301 gcaccacaag cttccccgct tcagttctga gggcttattc cccagtggc cagatatgtt
 15361 atctgctgac agctagctgt tgagtccttc ttttggaaat gctcttggcc aaaggagat
 15421 gcctcaccca aggtcatgac ctctccctgg agacaacctg catccaatga gaagtcaatg
 15481 caagagcaca aaagctcggc ccccttgctt cagcttggga caactcacag gagagctcca
 15541 aactccagcg ctctcagga tcagctgagg ccattgttgc aatacatcat agttcatctt
 15601 cttcctttgc ccagtccttt tctcaccct ctcaaggcg ttgagggcac tcttttaaaa
 15661 aattcccaca cagagactct ctgtctctga gtctatttca ttggaacatg atccaaaaca
 15721 taatatatat caaaatcctt gaaaacattc atccatttta acccagtact ctcacatcta
 15781 agatagtcta aggtaatgag agattaaatc atagttttga gtttgcgtgt gtaacattat
 15841 aattttttta aaactataaa gaatctaaat gttcaaaaag aaagaaatag ctaacataat
 15901 ggtatagaat tctttacagc cattacagtt catatttttg agaaatatag tgacatagga
 15961 aatgtttcac aatataattt taagtgaana cagcaggata tagaactata aaattataaa
 16021 tggtttgcaa acatattact taaagaacta tcacctttaa gagaaatgca atgacccag
 16081 tggtaaatat atttaaaaaa atctaaggag atagtcaaat tttgtttaat tgagtataat
 16141 ttgatctcat agccagacct attttttaggt aaaataaaga tagtaaatc tctagcactg

FIGURE 1 (continued)

16201 gatattttgaa gaacagcaca aatgacactt ggcttgctgt agagtagaat taagcatgaa
16261 tttaaaatgt ttaagggtacc attttgccct ccggaattcc attctgcagt gagtgtctta
16321 gagatgtgtg gttttggctg gcttgccctt gctttccctt ggctggcctg gctttgggtg
16381 atttgtctta gttaacaact taactcttga agacatctga cttctttggc taactttgac
16441 aattaggcaa gaagaaatgt gtttgatcat ctccacctca aaacctact acctttagac
16501 ctttatcaca agcatagagg aaaagaattc aaagaaaaga aactcatgtg agatgttact
16561 accaagtatc tctaggcaat aggaaggagt aaccagacc caccattaag ggaaggggag
16621 tgctttttaga aaataagatt gtatattgag acaaactaat tgtgatgttg ttatgtcaca
16681 tgtttaaata atcccagggtg cacattctct cactttctac agaacacaac cacaccaaag
16741 cagggtcaag aatctgactc ctttccacca ccaagcctct taacattttc tagacctgaa
16801 tacaaccaa acactctcat tttcccaatt tcttactccc actcaagata tttcaaacac
16861 gtgaaattga ttatttgaag gtttaagggg gtgaaattta agattaaaga cattccttcc
16921 ccaaccactg ctccgcactc acatggcaac ttggcctatg ctatagacag gggagatgac
16981 atttaagctc catgcagaga tgagccctgt ctttgagttc tttgtggcct ttccttcagt
17041 gaagagtgtc agtccctgtc tgtccctgcc ctgccccttc taaccacaga tgtcctagcc
17101 tggccatgga tgtggagttc ctgagagcaa atagagtcca tgattttgtg ttctcagggg
17161 tcatcaagggt gtgctgatag ctttatcttc ctttttctact tcatttttct ctaatatgtg
17221 attaaaatgc agggctatcc cagaaggagt tgactagaga actaaaaaac aaacaaacaa
17281 aacaaaggga ccccaaaatg acttcatggt taaaagaaaa acataacagt gaaaaaataa
17341 aggcattata atgaactctt ctccatactc tctagagccc tggggaaatc tctttgatgt
17401 agaactactg aatgaagaaa agcccatgtg aaaccagaac acttgggttt atccaacaga
17461 tattttttaa gcaacttgcta tgtatcaggc actgtgctag atactgaaga tacatagacc
17521 tggacactgc cctcatggaa attatactct agcaactcag atttatcagt cccacaacac
17581 tgggtagacc gcacaacaat atcaggcaca gtagtgccgt gagcttatcc atcccgta
17641 tgttcccagg agtgctaaga aagggaata gcagccagaa acatcctatg aaaagattac
17701 ctggaacgac tcaagaaaat ctgcccaggt gcatctgttt acctctctc ctctgccaag
17761 caggagaaca atattgaatt ggagaacaca tatgttaata actccaaaga gaggctagta
17821 tctcagcttg agcaccagct cctggatgc tactatagtt ctgggcaaaa ctgcaaagca
17881 gccaaagtgt gtcttgcaac catcccaact ttagccatt atcaatctcc cagacatcac
17941 atgcacatag cctaccctaa atctgcccc aatccttcaa tcagcctaga catgcctcta
18001 gactagtgtc tggttttaa tgtaaatgag gtttaacctt accagggtatg cctcaacatc
18061 ccctggcaga ccttccaccc agacaggaag aggtggcata atggagcaag catgggtttg
18121 gggccagaaa gacctggttt tctaccccag ttccacaact tactattttg tgaccacaag
18181 caagtactt aacctcgatt aagcctcaat gttcttggcc acaaaatgca gataataatg
18241 tctgcccata tatatttcgg gaagattaaa tacaacaaag ttcttcattt cttatcctat
18301 ccttccctcat ctcataaggg gaaccaataa agctcagcaa aaacacaaaa aagacattga
18361 ttttatttat ttataggcat tggcagaaac ccatcatga acagggaac cctttggaat
18421 tctgctgcaa ttgattgcct tggctgggag atgtgaggtt cctggagcaa tgtgaagaaa
18481 tccaggggat cgctgggca ggacccaggc ctctaggcaa aatgtgtgga acaagccatc
18541 ggttttataa tctcctaag aaagatcatg aaaagcaaag tgcattctta attatttcaa
18601 agagctctgg attctatata atctgtcctg gaaataatga agagaagaaa gacaaaactt
18661 ggctttatgt acagaggtga cgttacaggg attcaccatc tattattacc tggcaatacc
18721 ttagggctgg cctccaccac tgccttttat gaagagtaaa gtacacgtga agtctgttgt
18781 tcaaggccct gaccacatc caacctggac tcccaccact ctctctcagg cattctgggc
18841 taagctgtaa ctgagccgtg tcttccctac actagcgaca gtcttctgct tcatcctgcc
18901 cttctctcca cctaccaagc cctcctttca tgccttccca tcaaccttct ccatatagcc
18961 aagccctgct tcaaatggac cctctccatc agggagaggt aacagaagct agaaccagg
19021 ctgaggtgct atagaccagg cccaggggct tactggggcc agtcagtatg gtggtctcga
19081 taccacagac ctgggactca gtccataatg tggctatcaa ccagggtgcc cttagaatta
19141 actcaggagc ttttagaaac atataaatgc tcatatcccc accccaaacc ttctaaatca
19201 atattccata ggggataaga aaggtatctg ggtatctgaa ttttttaaag actccaccct
19261 ggattctaat gcacggcctc agctgaaaac catggtcac agataggaac tctctataa
19321 aaaggaaact agatactatg ccatgacttc atagactcta caaatagagc tgatggaaaa
19381 taatacaaaa aacagtaatt ggacaacctg aacatttaca aatcaaaggg gccagggtgat

FIGURE 1 (continued)

19441	aagtagtttg	gggtgttcaa	agatctgagt	aagaaaccag	tgaaaagttt	cattatttct
19501	cacaacttac	tgggaagcag	atgggtggag	gggagtggaa	actgaaaatg	tctggacatt
19561	tgtttctgaaa	ctaaccagca	cctgtaaatc	tgtaattagc	aaagtaagga	tagttgtggc
19621	taaaaatata	gtttgtaaat	gtatcaagga	cagtggaaatg	tctcaagcaa	taagcaaaac
19681	ggctttctta	aggacaaaaa	aatccaaaac	aacatgatat	cttgttttgg	aaagggtaac
19741	catatgagaa	gacaaaagaa	acacagcagc	tgctgtgttt	ggggcttgag	ttgcagcatt
19801	tcatacaaca	gctcatgaaa	ttttaattgc	tgacatttaa	aggttcaa	ttggcaggag
19861	agcaagtcac	atgggttgaa	cactaacaaa	agattacgaa	ggaaaggtga	ggctctgtgg
19921	cacatctcca	gcaagaagag	gtgcttagca	gggtgccctg	gggtcagtg	ttgctcactc
19981	cagattggat	tctgcattct	aattaacaat	gtggaagaga	gaacaaaaga	ccctgaaag
20041	ataccagaag	aagacttgca	aagggggatg	agggcaaccc	ccagagagaa	gagcaaatg
20101	agacaggtga	gcccacaagg	cttaatctat	aggaaaaaac	agcagacagc	tgagactact
20161	tacaaaaagg	caaactagct	cattggagga	aaattcacta	gaacccctta	tatttttagaa
20221	acaaaaggac	acagaccaca	aaaatgtctc	aactatcaac	atgggtaaga	gtgtccagca
20281	ccctggagag	gaggtcaggc	tgtacaggag	gcagccaacc	caccttcaga	tcaggatcag
20341	cagaggcatt	gccaagacaa	agtacattca	gaataactaat	taatatctat	caatggtttc
20401	tctctagaaa	aaaaaatgaa	atgccacagg	gaatgtctat	taaccaaata	atccacttga
20461	agatcttttt	gcccactg	tgctcataat	tggtttctct	ttctaatttc	aggttaagtt
20521	cacactactg	tcataatttg	atcagcatgt	gcaaacagcc	aaaaccagaa	acacatccat
20581	acctctacag	cagcctaata	taagaagaaa	aaggagaggt	tgggttgggtg	gtcaaagggg
20641	gaaaggaatt	ttcattccct	gtatctgccc	ctgggcta	aacagccacc	atgagctgag
20701	tgcttggtaa	gagtcaagcc	ctgtatgagg	cacatcattc	gtattgtctca	ctttaactgc
20761	aatggcagag	ttgtgaggca	gttatttagac	ttatgacttg	gagaaactga	gcaacttcca
20821	tacacatcta	gcaaatagca	ttgtctggat	ttgaacttgt	gtccctcgga	cttctcaatc
20881	tatgctcttt	ccctgcattg	ttcagtcagc	ccctgttctc	tttaagagg	tttctcccc
20941	agttccccca	gctccccact	gccctctatt	ctgctctgt	gcctgagagg	ccttgagagc
21001	cttgagagca	tcactggaca	gccctggcat	acagaccctt	tcactggggc	ccggccaata
21061	agcaagcttt	tcttttacac	agaaatgttt	atggcagttc	ccaccaatct	cactgtccca
21121	ctagctccct	gtggagtcag	gaagggcaaa	gatcccttc	ttctgggtgt	gatcctactc
21181	cttggaatag	cttcacgtag	aattctatgg	attccaactg	ctgggtgagtc	aatctctgcc
21241	ccccctggat	taagaatcag	gtagaaggaa	ttgaaaagga	gctctgcagc	cagcaagcat
21301	ttaaaaggcc	atagagaaaa	atgcaggacc	gcttgagaag	ggcagatagc	agagcagcta
21361	ggagtgcctc	tgctggagct	agagtgtgag	ggtgtaaatc	ctggccccag	catgttctat
21421	gtgcacttgg	gcaacctg	caacctcgct	cagcctttct	tttcatatca	gcaaaatagg
21481	ttgtagttag	caacagggtg	aagcacttag	taatgtctca	tggatgctag	agaaacaaaa
21541	acggagcaga	ggcaaagatt	ccagaagcct	caggatgaac	tttcggcatc	cctagatgga
21601	gaactttcat	atacttagtc	tcccttggtc	acttctccag	ggactagtc	ttgcttctct
21661	tgtcttgtgt	agactaatat	acctctgaag	ttgttcttgc	aaccatttcc	cctaagtaga
21721	tgagggataa	caaacaagca	aaatatgtac	tgaagttggg	tggctgcaag	caatggactt
21781	ctttgagtgg	agaaaaaag	ggaaggagat	gtgggggtgg	gaagaaggag	aaattatcat
21841	aaaattggat	tccaaagcat	tcagtatgaa	cattcccagc	aatagcagat	gctttttg
21901	tgcttttagat	aagacgtcta	tgatttagac	ctctgcgcaa	actgagaagc	tgttggatgt
21961	tgaaacatta	aatctaaaca	ccgaatgctc	gaacccaagc	agaagaacaa	gcccacaa
22021	gcctgcaggc	cccgtaccc	atcacatctc	accatgaatc	aaaaacgcac	tacttaggcc
22081	agctgccact	gcagctgctg	ccaaagcaca	aggtgggtgg	gacctgagca	gtgttctacc
22141	atcaaggaaa	gaactggatg	agggctcctg	ttactcggtg	ggtgggttcc	acgtggaagg
22201	gtttcctgcc	acacacaggg	tccagcatga	gaaatggcaa	aggcggggaa	caattcaggg
22261	gtgcccagg	gagagaatac	agtcacaggt	tcttagttgc	tgtttctggt	taggccagta
22321	aagcccttc	ctcatccctc	ttttccattt	atcactagag	acagaaacta	aaagccatgg
22381	cttcaggctg	ctaaaagcct	aaaacaaaat	aaaaagaaca	acaaaataag	gcggttggga
22441	cgtgccaaact	aaatgattgt	atatactatt	ttactatagc	tactgcccc	aaaggcacct
22501	ttggatgcc	tctttggatt	tctcacgatt	tttcaatatg	tagaacatag	tagattctca
22561	cacaatatct	gcagaatgaa	aaaataaaag	tgtgcatgca	aaggggtggc	tgggtcactg
22621	tagtccaccc	cagagaagac	gggaaaatgc	attttgctaa	ggcacacagt	gatgagaggc

FIGURE 1 (continued)

22681 atccccacatg gtagaaagag aaccagactc ggcattccagc ctctaaatga gtatgtacca
 22741 gaatttccca aggtcttctg taaaaacgca gatcctgggc aggcgtgggtg gctcatgcct
 22801 gtaattccag cacttcggga ggcctaggcg ggtggatcac ctgaggtcaa gagtttgaga
 22861 ctacgtctggc caacatgggtg aaacctgtgc tctactaaaa atataaaatc ggccaggcat
 22921 ggtgacgtgt gcctataatc ccagccacta gggaggctga ggcaggggaa tcacttgaac
 22981 cctggaggcg gagcttgcag tgagccgaga tggtagcact ggactccagc ctgggtaaca
 23041 agagtgaat tccatctcaa aaaaaaaaaa aaaacacaaa tccaaagtct tccctctcca
 23101 ggaactgaaa ttctggagtg gggcccagga atttgcttcc ctaacaagct cctgggatga
 23161 ttttgatcca ggtggcctgt ggttcatatt ttaaggaaca accattccaa gtctcactta
 23221 atggtagcct taccttgagc ttcaaagatg accagcatgc tggccacatt tcccccaag
 23281 ggggtctctt tagcctctta aatgctaagt gataccagca gcctctaaga cctatgtgcc
 23341 atgttatgtt ctggaggaga tgacaggcaa acccactcat caacaaagggt cttatttgta
 23401 agagaagttc ctgggtggggc cagtggtaag aaagcagggg tagcattatc tgaaccatag
 23461 tccatgcccc actaaaattt ctgtcacagg aagtaagagc cttctgcgta aaagcatgtg
 23521 tcccttggag agaacattcc tggaaaacat agaggttttt attgcttagt tttagaaagg
 23581 ggacagggtc aatcccccca ttactatgaa atatgggtaa attgagagcg tagtatgtcg
 23641 caaagcatca taaaaataat tttacattgt tactggcttg actttaatgg tgggttttta
 23701 ggaggaaaaa aataataaga gaaatttttc tgagtgtctc gacaggagag agaactctct
 23761 tcagagttaa gagacatctg tcgcaaagct gactgatccc aagaggggtg aattcttggg
 23821 agcccaagtc caagacgcac aaaactctga gttcaggaaa cagcccctct ctggagaagg
 23881 agcctacca ggtgtgtgag agtgaagaaa ccaaacacaa gactaaggag gaactattaa
 23941 tagcaagctt agctcccaac cttaaagcaa tgaagtgaag tgcaatctgc accctgtatc
 24001 taggccaagg aaccaggaag acaatgctgt gccctcaccg gtgctggatg cagtctgtca
 24061 gcctcaggct cagccctctg cagcaacctg atgccctgcc ttcttccaaa ccaagactgt
 24121 cttctatttt gttctactag tgtttattga gtgctactg tatactcttg gaagtgtgaa
 24181 gaaatgatcc tacctgccta gcagtgtgta tacctgtcat tccagaccag tttccagtct
 24241 catctgagat cataagacac ccataaagtc cctgcagaa tgttaaagaa caataaatga
 24301 tgagaaattc acattacaag atctagaagc acaagatagc cataaatgag ttgtatccca
 24361 aaactttctt tttaaattca tagtttaaa gtcagaacct attttccaaa gggacagtgc
 24421 tgtaaatagt caggtgtgta gtctaaacct aacaaattca tagtatagct aaaattatc
 24481 acatgtgcca taaaaacaag gaaaacattt ctgctacatt attataatta catttaaaat
 24541 aactcaaaaa ttttttgag cagttatcct tagtgatgac atccttggga aataatgttt
 24601 aattagaatt taatgaaaga gagatttctg tagaaagtat gaggaactg gactcataag
 24661 gacttagat tcttatctca cattctttaa aaatttttct tctttgtaaa aatactacat
 24721 ggttttgtgg aaattttggc aaatacatta aaatttttaa tacagatata aaaaaataaa
 24781 tttaatatga aaccaaaaat taaaagctaa tatgtatttc tgtccaagat tttttaattc
 24841 taaatacata tgcattgatt ttttacttga aaaacaagtc acaaatattt ttgtaattca
 24901 ctttttcacc tttctattat caaattatct attttatcat agtcttctca acatcgtgta
 24961 ttagctttct tcttaatcct tgccaaattg ctcaattaaa aattatatct cattttaatt
 25021 tttatttatt cgatcactgt tgaaattggg ttttactctt ctccaattta atggccactt
 25081 gtattttatc tatatgtaat tataattaat tatcttttgc attttttacc tacttttctg
 25141 ctggactgct tatagttttc ttgagctgaa aagattgtga atatataata atacctcctt
 25201 ggttattttac atattgtaaa ttttttcatt gtttgtcatt taatttttat ctggttcattg
 25261 gtgttaacat acagaaattt taagctttat acagtcaa atccatcagtt tttccctttt
 25321 agtttctccc tatgttttta aatattgaaa ctattttccc ggggtgatcca agttcatttg
 25381 cgcttatatg atgaaaaggc caaatctata tagatagaaa tacatcgaca ggccttgctt
 25441 ctacccctac tgtctgcacc tcatttgtcc ccatcacctg tagggaacca attttatttg
 25501 tgtctcactg atccttctag cacatctttt tgcaaaactt aaaacaatta tctaattgat
 25561 ctttctggaa taggtacatg gtattgcatt ttgaaaaggc tgttttttcc attaaatttt
 25621 gtaattgttt acagttgata tcaaagaaaa ctgttgattt ctgaaccttt attttgctta
 25681 cattcatctt gttgatctag taatttttta gttgattgtc tgggtttttt agatggacaa
 25741 ttatatcatt tttatgatc atattgataa ttttgtcttc tacctccaaa tagtatgttg
 25801 ttattatagt tcttatttta ttccatctaa ataagccatg attttacttt gtgatggctt
 25861 tataattagc actatttatg gtttttaatc ataattgtta tctatctttt ctagtcttta

FIGURE 1 (continued)

25921 aagggcatgg ccgtgccaca tctggagttg ctgttatcat ttatgttaga taggatgggc
 25981 taaactgtgt tgcttttagt aaaacaagcc taaaatctca agagcttggg acagcgaaaa
 26041 cttatttatt acttaagcta caagttgatc atgggtcatg gtcaggtcag gtcacttaga
 26101 tccaggccca ttccaccaga gcttatataa ccaaaggctg tcatttcggc cgggtgtggt
 26161 ggctcacgcc tgtaatccca ccactctggg aggccaaaggc gggttgatca tgaggtcagg
 26221 agatcgagac catcctggct aacacagtga aaccccgctc ctactaaaaa tacaaaaaaa
 26281 aattagtcgg gcgtggtagc gggcacctgt agtcccagct acttgggagg ctgaggcagg
 26341 agaattggcg gaacctggga ggcggagctt gcagtgaagg gagatcaagc cactgcactc
 26401 cagcctgggc gacagaggga gactccttct aaagaaaaaa aaaaaagaag aagaaagaaa
 26461 aaggctgtca tttactgtga ctgaagctag aggaaggaaa gctggaaaaat tttgcactgt
 26521 cttttacagg tttctgtcca gaagtgaac acatcatctc caatcacatt ttactggcca
 26581 aatcaagtca cttagccatg ttccaaaagg gcatagaaat tcattcctac catttgccca
 26641 aaagaacagc ttggaaatat ggggtggacag agctaataag ttaccatata actctaaagc
 26701 acacacattt gtatacacac cacaatgca cagaagagat tccttacta ttggcgatag
 26761 gttttcaata tgtcctagat ttttggagga gacagagtga tctaaactag ttgcacagat
 26821 taactagatg attgtttaat gaactctaata ccaataatac tcacctttta taaagattag
 26881 agtcaactca aagataaaaa ttttttaaaa gcatgagtta agagctttta cttaattctt
 26941 ctcttccctt tggaaagcat aaattaacta aagtttacta tgattactag tggctgaatt
 27001 ccatatttaa atttataatc atgtacagca tagctaataa ttttaattata agtgtaaaca
 27061 attcccaaga cgccaatagt tcattgtcaa atcttacctg cttcacaaaa ttgggtaata
 27121 ctatggtcta gaaaagacac tgcccttttat aacattgaat aataacaaaa tggccatata
 27181 ttcaataaat actaagtaat tactaaataa ttcagcctgg taaaccattt ttaattgtgt
 27241 caaaagccaa aggtatcatt caatctttcc tcatttgaga tgtattgcat ttcttatatg
 27301 tgatgggttaa ttttaggtat aaacctgact ggattaatgg atactcaggt gcttggtaaa
 27361 ataataatttc tgagtatgtc tgtgaggggtg tttctgagag attagcattt gaatcagagg
 27421 actgagttag gaagattgcc ctaccaaga agggtagca tcatccaatc catcaagggc
 27481 caaagtagaa taaaaaggca gagaaagggc gaatttgccc tctggatct gggacatcca
 27541 ccttctcctg cccgcagaca tcagaactcc aggttctggg gctttaggac tcagggattt
 27601 acaccagtgc ccccccccc ccagattctc aagccgttaa cctcgactg agaattatac
 27661 catcatctcc cccagttttc aggccttttag actcagactg aattatacct ttagcttccc
 27721 tgggtctcca gcttccacct ggaatatcat gagacttccc agcctccaga ataacatgag
 27781 tcaaagctca tgtacccegc tcttagagag aaagagaaat tctattgggt ctgcttctct
 27841 ggagaacctt gtctaataca atatacaagg caactcttta ctgtgaggaa aatggagtca
 27901 ttcaatcttc accatcccaa acagaacagg ctcttccacc acagcctcta tcaggccctt
 27961 gtcggcaggg ctggggcatg aaatcacata aagtggactc tggatggaga aggcattcag
 28021 gaaccagtgc accggtctgc agtgtgcaat aacctcactc atgtgcccct atacctccat
 28081 tttctacctc tctctaataa gaacatgagg gattgctttt aatacacaga ttagcatttg
 28141 ggccattcat ataaacatac aacaatcctg tcaacagtat tatagttggg gtcctatagt
 28201 tgtgcctcct ctaacctgtg aattagcaat agatcatcct atccagaggc ttgggtctgtg
 28261 tgcttcttct aaaggtatca aaataaagaa gttgtttctt ctttctctg ctccataatc
 28321 aatatacaac acaaagcttc attcatgcat agtttgagct aggtcatagc atgaccatgt
 28381 cctagaactt actttctgcc ttccgatata catagtaaat agccaaaata tgtactcaat
 28441 acatccattt ttaaaactag tcaatttaag ataagaaata tcacaaatgg gtttttggca
 28501 ttataagata aaaagatcaa ttgattgaaa gtctcgttcc ttaagattga atttaattgg
 28561 tttgattgac atcattttatc cacagtccat aaaccaaagt tatccatcat cattgatgaa
 28621 cggcatttga aaactatcat caaattagtt gcttagaaat gccaaagatgc caccttagac
 28681 aaggaaggcc tctggcaaaa tatattcatg tgctgcctaa tgacttttgt ccaccatgga
 28741 ctgcatatat gacagtagac tcaataagatt ataatactgt attttattgt atctcctcta
 28801 agattagata tgttttagcta cacaaatact taccattgtg ttacaatttc ctacaatatt
 28861 cagtacagta acatgctgta cttgtttgta gctcaggaac aataggctat accatatagc
 28921 ctaggcatgt aatagcctat accatccagg tgtgtgtaag ttcactctat gatgttcaca
 28981 caaagatgaa atcgccaaag gaaggacaca actctcagaa cgtatctgga ctgtaggaga
 29041 acaacaatct gattatcaga tcttcaaaac gtgggcagcc ttacaagatt cagagtttaa
 29101 ctgataagca tgtaatttgc aatttcctaa ccttgaatt tgtcaagata atgttataat

FIGURE 1 (continued)

29161 agtcccttat agaactaata gactcttcca ataagtagat gctgctttgt gaattcagtc
 29221 ctatcgtgag acttctgaat tgggatcttg gaatctcatt agcctcagaa tcctaaattt
 29281 ataataaaga tgcataagagg catagttagt agcatttgga agatgctctt aattctcagt
 29341 tctccagttt gtcttaattct ttttatataa actcctctaa tcttcaacct ggcttctgcc
 29401 tgtgcaaaag tcaatatatg agttagttac tactccccag tgaaagacga taacatttta
 29461 ggagtgatac tttatgtata ttttagcattt gtcaccccta aacttcagtt atagaaattc
 29521 tcgcatgaat ccccaaaata tgtcagtgaa ctaacagtc taaacatac aatcatggca
 29581 tttaatatcg tattagctac acagaaaaat aagggtattt atagcacatg ctcaagagat
 29641 ttcactattg acattaaaat ctccaatgga aatactcctt ggaattgagg atatattgca
 29701 gtagtggtta aaaatattaa tatttggtga gaactcacca tagccctggc attctgctaa
 29761 atattggata tctttttctc atttaaacct cactgctatc cttaggaagta gaaactatta
 29821 ttacccttat tttaccagaa gcaaatgaa tcaagagagt aactgtttta cccaaatca
 29881 tcaycaggaa tgttgccaaa caatggcctc actgcctaag gtacacagaa gtcagtacta
 29941 tgggaccagc ttttgagaaa agaaagggtc ttattgcaag tcaactgcca aggagacagg
 30001 agccaacact caaatctgtc ttcctgaaca aggttttgag agcaggtttt ccaggcaaac
 30061 agcaacaatg caagggacag gaaaatgaaa caaggcatga tctgattgga tcatgcaag
 30121 aagtcacgcc aggtcttttg ttaagtccat acggcagcaa aacagggcac cccttgcttc
 30181 ttaatttgcc ccttgctcct tgatccaagc acttgggttc cacacatcat tgactttttt
 30241 attccagctg gctccagggt cctgaatcag gtacccttag ttcatttggg catgctcagg
 30301 taatgtgacc agcaacctgg gggctccttg cactgaaaaa ctcatcattt tgttactgac
 30361 aacgttgaat tggttctgcc attacagaat gacaaattaa caggaaactgc agtgatctac
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 30541 agcaatcggg gtggctgcta ggattctgct tgagtagttg cctgatggc atttatgtat
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 30661 gatctacaaa ttaaatac acattatacac acagacacat gtatctatac atatttaaaa
 30721 catgatccta gagaaggatg ttttttctct tgctgttttt catactgtcc tatcatggga
 30781 gaccacaat taggactctg aagacagctg tttgcttggg gttttgctaa tgcttcgggtg
 30841 tatcaaagta aggcacacac tctgaggag aaactctggc tggaacatc cttaaatgcc
 30901 accctacccc tcatggttta tataagcctt agctacagca ttgtctagaa atggctattc
 30961 tttgtctttt ctttggaaca catttctcac ttaaatgca actaccctt gccagcccag
 31021 gattttccca atactgaacg ggtgcccac tccaaggaca attccaaatg tgtgcccctg
 31081 cctttggaac aatgaagagg gtttctgctc ttgtttttct tgtcttatct gcatccagaa
 31141 atttctggct tgtgccattt taattttata tacttttact ttatttcatt tgaattttag
 31201 aaaataatga gtatttaaga gaataagtgt ttgaatttaa acaactagga gtaggattac
 31261 tgcagttaga gcctgggatt gccatttgaa gtcattaacc agcctgagac caacctttcc
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 31381 gcaagctctt ggccactcaa agaaaaacca ctgaatcaaa ggagatggca tatgagtcat
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 31501 gcatgtttga atagtgaag acattgtgtg aaaaagaaaa ggggcaaatc taatcacagg
 31561 cacaataacc cttctagaac cacatttttag ataagagtgt cccgcagagg ccgggtgcgg
 31621 tggcttacgc ctgtaatccc agcactttgg gaggccaagg cagccggatc acgaggtcag
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 31741 attagcaggg tgtggtggcg ggcgcctgta gtcccagcta ctaggaggag taaggcagga
 31801 gaatggagtg aaccaggag gttgcagtga gctgagatcg cgcactgca ctccagcctg
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 31921 agaacaacag ttccttgga tattaacagg tattctctct ttttttgca aattttattt
 31981 cttttaaaaa attattgtag gcacatagta ggtgtatata tttatggagt acatgagatg
 32041 ttttgaaaca ggcattgcaat gtaaaataag cataccatgg caactgggtt atccgtcccc
 32101 tcaagcgttt atccgttgag tgcaacaat tcagttacac tccatacatt attttaaat
 32161 gtacagttaa gttattgact atattcacc gttgtottat tcattctttc tattttgtgt
 32221 acccattaac catttccacc cattcccagc cccccactta acagcgtact ccaaaagggg
 32281 aaaaatgatc tgtggtcacg tgagtaatgc taggttaagt aaatttgaac aggtttcttt
 32341 actatagact tctctagatc tttttgttgt tgatgctttt ttgttttggg

FIGURE 1 (continued)

32401 ttgtttgaga tggagtcttg ctctgttacc caggctggag tgcagtgggtg caatctcage
32461 tcaactgcaac ctccacctcc caggttcaag tgattctcct gcctcagcct ctcaagtagt
32521 agttgagatt acagggtccgc accatcatgc ctggctaatt tttgtatttt tagtagagat
32581 ggggtttcac catgttggtc aagctgttct caaactcctc aggtgatcca cctgcctcag
32641 cctcccaaag tgctaggatt acaggcatga gctaccgctc ccggccgact tctccagatc
32701 tttaatgtga tgctaataag ttctgtatct ccaagaaagg agagaggga ctttaactgtc
32761 tcccaaactt atttaatcac agaaagctat ttttgagaat gttttgtggc acatattttg
32821 agaattctca tcccaaagga aaaaaaaca taaataaggg cttaattgaa aggacaacct
32881 cattttaaag ttgacataga ggcattatt tgggtcacag aaaactaagg cctgagattt
32941 gtcattggagt tcatgtcccc atttgggtcac taagatagag acttgtcatt gtaatggctg
33001 ctccagcactg gtgaacaccc gccatgaact gacccaaacc agtgtggcca cacatgaggc
33061 gaggcattgcc cgttatcaca ctaccaaata cggaaaccaa gtcttaaacc aattttttgc
33121 tccatataca gacatttact ttacaattgc ttattaacaa ttcatacaac acgtttgggt
33181 agctcaaaga agtcccatct tctgtccttt taggggtctc cagcaccacc ttgactgaaa
33241 cattttctca aggcagacat ggcaacatgc ccgaggcagg attctggaag gttcctaggc
33301 catgccgggc aacttggaa tctccaacta agtgggtgga cactgggcca gtttagcgtc
33361 aagtctcagg cactatccct aagaaaaagg ctgcagtctt tgctggagcc ttataccctc
33421 ttcattaaaa acaggaaggg ctctaatttt tttagccaatc gaggtagcag tattagtgtg
33481 tgaggggacca caggctggta acaatagaaa tttattttcc cagagtgtcg gaggtggaa
33541 tgctaagatc cagggtgttg caggctgtgt ttctcctgag gtctctcccc ttgttttgca
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33661 tgtccctgag tgtccaaatc cctcatctt ataaggactt cagtcagatt ggattagggc
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33781 tcacattctg aggtactggc gcttagggct taaacatatg aattggtagc agggacacaa
33841 ttcagcccat accagtatcc taaatattgt tttttttatt ataatgatat cccatatcta
33901 atgttcattt tgctaattaa tgtcactagt tccacagtg aaaactcctt tcggatattc
33961 actatgctaa ttagcaaagt ctcatacact tctctctctt ttaataataa tttcaacttt
34021 tcttttagat gtggggggtc acgtgcagggt ttgttacctg ggtatattgt gtgacgctga
34081 ggtttgaggt atgaatgaat ccatcactga gatagggagc atagtacca ataggtcgtt
34141 tttcagtcct ttaactccct ccttctcttc ccccgctagt agtaccaggt gcctattgtt
34201 gccatctcta tgtccatgtg taccaaatat ttagcccca cttataagtg agaatatgtg
34261 gtatatggtt ttctgttctt gcattaattc actcagaata tcagcctcca gctgcattca
34321 tgttgctgca aaggacatga ttttgttctt tttcatggtt gcatagtatt ctatggtata
34381 tgtgtaccac attttcttta tccaatccac cattgatggg cacctagatt ggttccatgt
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34621 catatttcag catagacaat gtgatatcat ctgtatgcca gcttcaatgc taagggcagc
34681 caattacctt aatagagaat gtacactgga ggggttgctta cgtagcaaca ctcaggagac
34741 ttcaacaaat gctccgttta tacctataaa ctgagtagtg tctcatagg atcagcgttg
34801 gatgggggtt ggccaaatgt cattatttca actgggtctc tgtcttttgg agattctgtg
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34981 agatatgtta tggatatgtg atctcctctc tcataaaacc agggaaatcac aggttgacca
35041 gctgacctgc ctaattttaga catctctata cctatagcag ggagaattag agagtcatat
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35281 catatcccaa ggtggcggag acaacatcag gaaagagctg cacagccagg tcttcattaa
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35521 acaagatctc ccagcctaac cagaccaggc tagacaggag agaggcgtg ctgtttgggt
35581 gtgggtgtca tccagggttaa ttcacttttc tgtgtttgcc accagtcatt atctatgggt

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FIGURE 1 (continued)

35641 gtaggtttgt tgttgttatt gttgttttcc tttgagtttt ttttgtgtgt taaaacctaa
 35701 actgtttcaa gaaaatgcat gctgtttctca tccctcaacc aagcatgttt tctcaattag
 35761 acgcattttc acagagaatt agtcttaaaa cccctgtgag cttaaaaaata gattaagaac
 35821 tatttcttaa gctccctttc tttggaattt aaagtgtttt tgagtggagt ttttttgggg
 35881 ggtggaggag aggaagttaa gcgtaattaa gtagatcaag aaaaaaaga aaatcattta
 35941 actatttctt atatgatcct caggctttga ggttcactca tgtaaaaaa gctcatcatg
 36001 gatattaatt cattcattcc tatactcctt cattcacaac agactgtgta tctatcaggt
 36061 tcaaggcact gtgctaaaag aaatatacag gaagaagccc ggagcattta aaagcaggat
 36121 gttgacaaac acacacattg aagatactat gatttgagct tctgacatct ggactaatta
 36181 aagctgagga aattggcatc tatttggcaa aatggccaac aaagaagaca ccaggcagaa
 36241 caaccacag aaaatttcat cagccaggaa attagaattc actctcccca tccaaagaga
 36301 aagttaatta ctggcttttg tggattgcat tcttggtctt gcactattat cttaacacag
 36361 aaggcaagag aaggcaagaa ggggctgaaa gagccatcct tccaaaatat acttgggaga
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 36661 accatgccag ctagaccata gatcttctct agcatttcca cacatctgca ttacctctca
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 36841 ttcagcatac gaatttaagg gaaagcataa aagaaaaata cccatggtgt acattttaat
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 37081 ccatttattc ttaacagtga ggagcatttc agaatagaat gttctcacac acacacacac
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 37261 aaaacttagg tttgtctgaa aaattaatta gtgtacataa ttattctgcc acataaagca
 37321 aggtatcaga tgtaagcaat tcatgtatgt tattttaata attagcacca ctaagttatg
 37381 ttccttttcc acctctggct taatttattc tctaatatgt gtacaagtgt ctggtctact
 37441 gtgttcccca caccattaat gccaacccaca cacacgtaag cacaggcagc aaaagattaa
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 37861 cacctgtaat cccagctact caggcaggag aattccttga acccgggagg cggaggttat
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 38641 cccacacatc tccccatgga tccagtcocc caagcttctg ggtccagcaa ggcaatgagg
 38701 ctcaaggcac tgagcgccat gccttagggc aggatggaca aactggcaaa ggaaacagga
 38761 agagtaaata acacagatgc cctctgcctt caagtcttgg gacaaagagg gatggaggga
 38821 gggattagag ttctgagcaa agacaggact ttgaactcaa gcaagtggac actagctcat

FIGURE 1 (continued)

38881 tgaataacca tgagctaagt gcttcacacg gattactgct ttcacctca ctaccaccct
 38941 aaggaaaagg agagagggaa ggagaagaga aagaaaaaga ggaaggagaa aggtaagaga
 39001 aaggatgatg atgaaaagga ggaggaagaa ggagaacatg gagaagaaga atgtaaaaaa
 39061 gaagaaggaa gacagaaaga agaggggtag gaggagggga ataagaaggg ggaggaagag
 39121 acacagagga agaagagaaa gaagagaaaag agatcaagtg aaagagaaaa agggaagggg
 39181 agggaaaaga gcaaagaaga aaacgtaagc tgatagagag agataaaaaga aaaaagagaa
 39241 agtttactcg tgaactcctc ttccttagga agcagcagtg tttatctttg ctgtcataat
 39301 aaaattaaaa gctttttttc agactataca ctcatcctct taaattagaa agagtgacaa
 39361 tttcttttgg ctcagtctcg caaaatgcaa gttgtcatga tctcacctct taaaaaagg
 39421 aaaaagggaa aaaagcaacc tcccaagaga tggctatcac ttcaagcgaa tgcccagcgg
 39481 gccagccatt tgggtgctgt ccatgttttc cagtggcatg tgagcctttc acccagacca
 39541 caatcccatg ccaagctcca tgtcatgttc aatcttcaaa atcttttgta caattccaac
 39601 actttccagc aagagttagt tttctttatg tttgcttgtc ttttaactga ctgacactca
 39661 taaattttctt ccaaggaaaa aagaatagca gaaaacttga aaatatcacc taatctgtac
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 39841 cagaagtaga ctctgtcatg gaagtccctg aaactccatt atttcacaga tttgcagact
 39901 catagacttt cttattttatt gtcagaaact tctggaagtc tctcaatgaa tctccaagtt
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 40561 tgtctatacc tttttcagtc ctttaatgac ctgtgtggac cctgtacata acaactgtgt
 40621 ctgtgggccc ctccgtttgt ggtcgaacaa ttaaacacct cactctgggt ggtgccagcc
 40681 agatgagttg atgaaacctg agaggccaga ttgcttccag ttctgtaaaa cctgtttgag
 40741 aattaaaaga gatgtccat catgtcctag gctgagtaaa tatgaaggaa cagtgtattt
 40801 ctatggcaac tgacaatccc aacagtaagc caacacagca ccaccccccag gagcaacagc
 40861 aagtgtttga gtgggttcaa aagagagttg gggaaactagg gggattgggg ctgcacgtga
 40921 cgaggagaaa ggggtgtggga taacatgggt tggccttggg tgataggcta tgtccagtct
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 42001 ccagcctgca gtttaagagt tgtggaacta ggggtggctgc aggcaaagag atagggggaa
 42061 gggctgcctc atgccatggg caggacagta aatgggtgcaa attttctgga aagcatctta

FIGURE 1 (continued)

42121 gtaatatagg tgaagagcct ttacaatgtg tttatcctat gacctatcct taattctctt
 42181 attctaaagg aataagaaga ggtttaatca aagcatgagt gaaaaggcca tccaaacaca
 42241 gggaaagggg ccgttatgat gtctacggtt ctaagaaata gaaaacaaca acttggctta
 42301 aataataagc acataaccaa agaaatctag aagtaggatt cctttaagag ttgagagatt
 42361 tagcagctca aaaatgtgac ctgacatacg agttctttct atgcttttgt tcttctcct
 42421 ccaacactgg tttcacacta aacttggtc cccagtggcc aatagcacca aacagcactt
 42481 atcggcattc ttgttgggtat ccaaaagaga tggagaaagc ctgatttcac atggctcttc
 42541 cttaaaagca acaaaggact tttcccgga gccttcagca aacctcgtca gatttgaatc
 42601 acatgccaat tcttaaataca gtactggga gggagtgagg aaaaagggga ggaggtgttt
 42661 acccttaacc aatatgcta cccctgccc ctgagatcaa tccataaaa gtattgcttc
 42721 agttctttga agaggagtac aatgtttgtg agtcactcac cacatttacc caccaagagc
 42781 taagggataa ctgagtaaaa tggtagagct ggtaggaaaa tggtagtag tcccgtcctt
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 43081 tggatgtagt ggcacacgcc tggaaatcca gctactcagg aggtgaggc aggaaaatcg
 43141 cttgaatctg ggaggcaaaa gttgcagtga gctgagattg taccactgca ctccagcctg
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 43261 gaaaaataa aagctaattt ttaaaaaacta aataataaag agtggttaggt gataagtttt
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 43561 gactattcta gaatacaatg atttttcatt gcttcacact tgtaagaaat gttccactac
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 44101 tggggaatat ttgcagcaca tgttggctgg caagaatgtg ggtgaattcc tgttaagggg
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 44341 ttggaaactg ttgtccttgt tttgttgaaa gaagccaagt tccaagaaat ctgcagaggc
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 44581 ggccagagga gccagagcc atgagcggcc catccctcca agaactattt ctgactgtcc
 44641 agtatcatgg agcaagtgga aagaagaaaa aaaaaacca attacttttc gaagagcaag
 44701 atgaatgctg tagaaggaga aggaagggga gggagatgga tgggtgccga ttcagaatc
 44761 ttcagatctg cttggatgaa tcattaccta tgatttgagg gacaagaatc tgattttatt
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 44881 ccttaggaac ataccggtca tcttttagag gcattttata tacatattga gtaactagaa
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 45001 cactcccacg caagaaaagc gaaactgctg tttgatgaat gtaaacactt ggctgtttgc
 45061 agcagtcggg agtcctgcca ggtttaagt ctaagatggg aggtgaacc caggggtttc
 45121 cccctgccc tgetgagatc ctatttgggt caagcttcta cctatgcctt ggctcggag
 45181 cgagcccgat agcgtggat cacagcagag ggagcgaggc ggctgacgtc ccatccgaa
 45241 gagatgaatg gaattccagg aagctagagt catgctggct tgggacagt gcttggagac
 45301 cagacttcaa tgacagaagc actaggcagc ggcactcat gcaatgtgtg caccacaga

FIGURE 1 (continued)

45361 aatgtaaccc acacctcgagg ttcaggagcc gaaaaatgaa aagaacgttt agggaggaaa
45421 aagggaaata caataatagg cagagagtaa tttattactc tatgggtctg ctctgtaa
45481 agctgaagac tctggagcca gatgggtctg caaattctcc aaacaggagt cacgttaaga
45541 agcacgagtg ggcacaaaaa ctgtttttca agacacaatt tcaatttggc ttgtggaaac
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45661 tgatgagaat acgcacaccg cccccaagcg gccggccgag ggagcgccgc ggcagcggga
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45781 cgaacgcggc gcaccaacct gccggccccg ccgacgcgcg gctcacctcc ctccggggcg
45841 ggcgtggggc cagctcagga caggcgctcg ggggacgcgt gtccctaccc cacggggacg
45901 gtggaggaga gtcagcgagg gcccgagggg caggtacttt aacgaatggc tctcttggtg
45961 tccccctgcg cccgtcggcc catttttctt ttacaaaac gggcccagtc tctagtatcc
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46141 accccgagcc cgcgtggcg c aagagtacga gcgcccagcc cgtgcgcgcc aaggtgcgt
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47641 agctttccgc atcgaggatg ccaacctgat ccccccgtgt cctgatgaca agttccaaga
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48121 gctccgtggg atcatctgct agacaggtga cctgccagga gggctacagg aaatcctgtc
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48301 taacaagtac caggtgatgc tgatgccggg ggtctgggaa gcacactttg aaaactactc
48361 aaggaaacaa gaaatggttt tcccttagca gtcagcctgt tcaagcctta gatactcctt
48421 aggtctctta gaaaagagct tatttcaaat gcattcccc aattttaatc ttgtttgaaa
48481 tggatacttt ctatgggcag aatcagtagc actttgctat tggattcctc atggggatgc
48541 agctgggtct acataaaaag ttaaaatagc agttagtgtg tgctgttaca gcttcactg

Figure 1 (continued)

FIGURE 1 (continued)

48601 tgccttaact tctagatctt tgcaacggtg gctttgaact cccacattta actctttgac
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 48721 agtaggctga taactgaatt ctttgtaaaa tactcaagac ttggcagaag tcacaattaa
 48781 gattttgaag ttgtttggcg attaatgttg ctgtgttatt ttgacatagt gatcttaaga
 48841 cagctctttg aagcttttag aacatctatt gtatgctttt cctagcatac agacagtctc
 48901 ccccaacccc atccccaccc cgtctgcat tctacaagta atgtgtgtcc tctgcccaca
 48961 ggggggtgctg cagaatgtga ggtttgtctt tggaaccaca ccagaagaca tccctaggaa
 49021 caaaggctgc tccagctgtg agtacccttc ttttttagg gcacataggg aatcaggggg
 49081 aattccacca aaaacaaact gaggaattta gcaatagtgg ttatacataa attaccccca
 49141 gtgagatcat caagaggcat acagaagtga ctccaagggg tattatacac acacacgtat
 49201 acacacgtgc gcatacacgc aacctctcta cctgcatcct tcacacaaaa tgaaacgtct
 49261 tctaccacta agaactcaag aggctggttg gtaagagtat ctatttgaag ttttcatttt
 49321 gtttcttgcc agctaccagt gtctcctca ccttgacaa caacgtgggt aatggttcca
 49381 gccctgccat ccgcaactaac tacattggcc acaagacaaa ggacttgcaa gccatctgcy
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 49501 tgaccacgct gcaggacagc atccgcaaag tggtcagtgg cctctgcacc cagcccgta
 49561 gcataaaccc tggaagggtt atcgcagatg gtcccaaatg actgaaaatg cggggggaca
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 49741 gatagctgca ctgagtgtca ctgtcaggta agggaccttc accagccaga ataagaatcg
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 50341 gctgtgggaa ccaacttcat taaattccct ttcttttcca atataaagac agatcacaga
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 50461 aaaatgtaaa agtcctggct gaattttctg agtttgattt cagacataga tttgacctat
 50521 gatgtttgtt gggtcctctg ctataaattc ttgtactgt aacttccacc ctgactaag
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 50821 gttaccatct gcaaaaagggt gtccctgccc atcatgccct gctccaatgc cacagtctct
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 51721 acaaagctag ctggaggtag caaagttttg aacttgaatc agggattgct aagaaaactt
 51781 acaactaatg accacagaaa gtaagtctct tgtcttctgt ctgatacage tagatgtgat

FIGURE 1 (continued)

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 51961 gttggagcca gaaccaacaa cagctcggct gccttcacac tcactctgtca aacacatggt
 52021 gtatggctcc cctgacagaa atgactccta taagcttctc catactcgcg cattcttggg
 52081 agtctgagac tggaaatgcc taccagata tggtaagtca gtaaaggaaa actcatttgc
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 52201 ctgtactgag ccaggcaaag catccgatta cccactgct gtacacatca tgacctggga
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 52321 ttgtgcccgc tcatattatg ttctagagag ctcatgtaca ccatggtgac catagttaat
 52381 aatactggat tgtatgctta aaatttgcta agagagtaga tcttaagtca tcaccaaaaa
 52441 aagtaactgt aagatgatgg agatgtgtta attagcttga cgggtggaat cacaatatat
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 52561 tcagttaaagc caaaaagaaa taaatatatt gcttttcacc ctctggcaag tggagggccc
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 52741 ctgttctacg agctgtggca atggaattca gcagcgcggc cgctcctgcg atagcctcaa
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 55021 agaggtaacc cacactcttc caaatggagc ctctgtctac tcagagatga cagggatctg

FIGURE 1 (continued)

55081 gattcttgtt tccatgatat ctgaggattc tcaaaagctc tgtgtaacag cagcatgggtg
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 55801 tgcattgagct cagcatgagg aaggcaactg aagcagtgat atatatcttc tctttcctag
 55861 gatatttggc ccaaccttcc caactcaggg caggaagact atgacaagga tggatttggg
 55921 gatgcctgtg atgatgacga tgacaatgat aaaattccag atgacagggt aaaaacagtt
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 57541 cttctaagga aattctctgt tataaagtat ccagaaaatt tcatttaaca ttaagatgta
 57601 aacagttaac atttcatctt atcttttagta attaaatata actctatttg accttattta
 57661 gaaagtttta tatgtaaaac attttttaaat tatcccttct cagattttta tacgaaaaca
 57721 aagataaagg aaaaaaactt ttaaaatgta attgtacta ttgctatctt tctgcaggag
 57781 tgtgtaaata gacatgacac cccactggct gtatcaaaca atggagaatt ttcctgtgg
 57841 tgggggcata agttatcttt aacatgaatg gtttatactg caatttacc tccatttaca
 57901 tctctctttc agctggactc tgactcagac cgcattggag atacctgtga caacaatcag
 57961 gatattgatg aagatggcca ccagaacaat ctggacaact gtccctatgt gcccaatgcc
 58021 aaccaggctg accatgacaa agatggcaag ggagatgcct gtgaccacga tgatgacaac
 58081 gatggcattc ctgatgacaa ggacaactgc agactcgtgc ccaatcccga ccagaaggac
 58141 tctgacgggt agtcatggga gccactttct aagacagggga ctgctggcac agctgtgtag
 58201 attgaagaaa tgaaaccaag gctcaaagca tttgacagga tgaagggacc aaatgccaac
 58261 ttagacaaga tagtgacatt tctgacacca gtaataataa tagcacttta gaattttgct

FIGURE 1 (continued)

58321 gaactcttgc ttttttgacc tcaggcgatg gtcgaggtga tgcctgcaaa gatgattttg
 58381 accatgacag tgtgccagac atcgatgaca tctgtcctga gaatgttgac atcagtgaga
 58441 ccgatttccg ccgattccag atgattcctc tggaccccaa agggacatcc caaaatgacc
 58501 ctaactgggt tgtacgccat cagggtaaag aactcgtcca gactgtcaac tgtgatcctg
 58561 gactcgtgt aggtgagtag cgagttctta gatcctaaga gactgatgca tacatgggga
 58621 aaaacaaata taaaacctgg cagttgtacc tatcctctgt ggtgctgagg atgtctagga
 58681 acatgatgga gaaccttctg aaggctgcag gttttaacct ggctctgggc tcttcttcca
 58741 ggttatgatg agtttaatgc tgtggacttc agtggcacct tcttcatcaa caccgaaagg
 58801 gacgatgact atgctggatt tgtctttggc taccagtcca gcagccgctt ttatgttgtg
 58861 atgtggaagc aagtcaccca gtcctactgg gacaccaacc ccacgagggc tcagggatac
 58921 tcgggccttt ctgtgaaagt tgtaaactcc accacagggc ctggcgagca cctgcggaac
 58981 gccctgtggc acacaggaac cacccttggc caggtaagaa gcaaagccct ggaacagaga
 59041 gagagcttat ggggtcctga ctagcactgg ggatgctgtg ctttgacca gactctgacc
 59101 agggagtctt agaaagtcc cagcatcacc agctgcagca ttgaactctg ctttgaataa
 59161 acataatagt gttgaaaagg gagcttgacc aagaattgcc ctgcaaatcc taagggtgct
 59221 tcagcctttt caaacaaaaa aacctccttc cctcctctct gtctgcttta tatgtgtgct
 59281 cagtggcaca caacaaatat gagaggactt ggaaaaatcc cccattgcag cctctaaact
 59341 tagatcagct cagtaccttt caagcattgt ttctgatgga atgaaataga aatctttacc
 59401 tgaaggagct gtgtttcaac ctttctttt ccttttctt cagggtgcga cctgtggga
 59461 tgacctcgt cacataggct ggaaagattt caccgcctac agatggcgct tcagccacag
 59521 gccaaagacg ggtttcatta ggtacgatca tactgattca ctttcaacta cagtcacact
 59581 gagggacaaa aagacaaaaa gtattaaata gcattgtcac taaacaagat ttttttccc
 59641 tgcagagtgg tgatgtatga agggaagaaa atcatggctg actcaggacc catctatgat
 59701 aaaacctatg ctgggtgtag actagggttg ttgtcttct ctcaagaaat ggtgttcttc
 59761 tctgacctga aatacgaatg tagaggttaag agcaacatca ccatgaatgt acaactggaca
 59821 tctctatttc agactaatat caaggatgac gggttatggg gagtccagt taaagactgt
 59881 tttggagaca gggttatttc tattttgctt ttgaggacac aaggacaaaa atggaataat
 59941 gcctaggcac tgcctcctac acagtgcaaa ggtaagctgc agaaaagctc ctatataatt
 60001 aatctctgtg taataatact gttctttaca attatatatt tatatatett actgcttatt
 60061 tggacttcat tgccatcaca gcacgagtta gcattcccaa cttttccctg tatacaaga
 60121 gttttatgca atgttgcttt catattggca tgttaaatta atgttacta ttaaacttag
 60181 agggagagga atgttgcttt ttttacttag tcattactta agctcgtga gtccaacact
 60241 cattttttt cctcattctt gcttaataata ttttactgg gccaaaggcca gatacctaaa
 60301 ggctctacca caaaataagt gcttaataata ttttactcaa aaaaatctaa attattaatg
 60361 agatcaatga cagtagagaa agatggttga ttttactcaa aaaaatctaa attattaatg
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 60481 tggaaagcat aatataatgt taatgtgctt gaacaacctt aaaattaggg tttgttcatt
 60541 cagctaataa aattaaatgc agctattcct atgtggttaa cttattaact aagatgtcta tgcttttatg
 60601 agaaaagtag agctattcct cttttgtata tttttttata tttgtttatt taacagatcc ctaatcatca
 60661 aattagtttt catttgata atcataaacc aatgctggta ttgcaccttc tggaaactatg
 60721 aattgttgat tgaaagactg atcataaacc atgctgtgta ttgcaccttc tggaaactatg
 60781 ggcttgagaa aaccocccagg atcattcttc cttggcttcc ttcttttctg tgcttgcatc
 60841 agtgtggact cctagaacgt ggcacctgcc tcaagaaaat gcagttttca aaaacagact
 60901 cagcattcag cctccaatga ataagacatc ttccaagcat ataaacaatt gctttggttt
 60961 ctttttgaaa aagcatctac ttgcttcagt tgggaagggtg cccattccac tctgcttttg
 61021 tcacagagca ggggtgctatt gtgaggccat ctctgagcag tggactcaaa agcattttca
 61081 ggcatgtcag agaagggagg actcactaga attagcaaac aaaaccaccc tgacatcctc
 61141 cttcaggaac acggggagca gaggccaaag cactaagggg agggcgcata cccgagacga
 61201 ttgtatgaag aaaatatgga ggaactgtta catgttcggg actaagtcac tttcagggga
 61261 ttgaaagact attgctggat ttcatgatgc tgactggcgt tagctgatta acccatgtaa
 61321 ataggcactt aaatagaagc aggaaagggg gacaaagact ggcttctgga cttcctcctc
 61381 gatccccacc cttactcatc acctgcagtg gccagaatta gggaaatcaga atcaaaccag
 61441 tgtaaggcag tgctggctgc cattgcctgg tcacattgaa attggtggct tcattctaga
 61501 tgtagcttgt gcagatgtag caggaaaata ggaaaaccta ccatctcagt gagcaccagg

FIGURE 1 (continued)

61561 tgcctcccaa aggaggggca gccgtgctta tttttttatg gttacaatgg cacaaaatta
 61621 ttatcaacct aactaaaaca ttctttttct cttttttcct gaattatcat ggagttttct
 61681 aattctctct tttggaatgt agattttttt taaatgcttt acgatgtaaa atattttatt
 61741 tttacttatt ctggaagatc tggctgaagg attattcatg gaacaggaag aagcgtaaaag
 61801 actatccatg tcatctttgt tgagagtctt cgtgactgta agattgtaaa tacagattat
 61861 ttattaactc tgttctgcct ggaaatttag gcttcatacg gaaagtgttt gagagcaagt
 61921 agttgacatt tatcagcaaa tctcttgcaa gaacagcaca aggaaaatca gtctaataag
 61981 ctgctctgcc ccttgtgctc agagtggatg ttatgggatt ctttttttct ctgtttttatc
 62041 ttttcaagtg gaattagttg gttatccatt tgcaaagtgt ttaaattgca aagaaagcca
 62101 tgaggctctc aatactgttt taccctatcc cttgtgcata tttccaggga gaaggaaagc
 62161 atatacactt ttttctttca tttttccaaa agagaaaaaa atgacaaaag gtgaaactta
 62221 catacaaata ttacctcatt tgttgtgtga ctgagtaaa aatttttgga tcaagcggaa
 62281 agagttaaa tgtctaaca acttaaagct actgtagtac ctaaaaagtc agtggtgtac
 62341 atagcataaa aactctgcag agaagtattc ccaataagga aatagcattg aaatgttaaa
 62401 tacaattttc gaaagtattg ttttttttct atcatctggt ataccattgc tttattttta
 62461 taaattattt tctcattgcc attggaatag atatctcaga ttgtgtagat atgctattta
 62521 aataatttat caggaaatac tgccctgtaga gttagtattt ctatttttat ataagtgttg
 62581 cacactgaat tgaagaattg ttggtttttt cttttttttg ttttgttttt tttttttttt
 62641 ttttttgctt ttgacctccc atttttacta tttgccaata cctttttcta ggaatgtgct
 62701 tttttttgta cacattttta tccattttac attctaaagc agtgtaagtt gtatattact
 62761 gtttcttatg tacaaggaac aacaataaat catatggaaa tttatattta tacttactgt
 62821 atccatgctt atttgttctc tactggcttt atgtcatgaa gtatatgctt aaataccatt
 62881 cataaatcaa tatagcatat acaaaaaata attacagtaa gtcatagcaa cattcacagt
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 63001 tggaataaaa gaacaaaatg atacattagc ctgccatatt aaaaacatat aaaagagaaa
 63061 ttatccctaa gtcaagggcc cccataagaa taaaatttct tattaaggctc attagatgtc
 63121 attgaatcct tttcaaagtg cagtatgaaa acaaagggaa aaacactgaa gcacacgcaa
 63181 ctctcacagc gacattttct gacccacgaa tgatgccttg ggtgggcaac acgattgcat
 63241 gttgtggaga cacttcggaa gtaaatgtgg atgagggagg agctgtcctt gcaatgttga
 63301 gccagcatt acagatacct cctcttgaag aaggaataat aagtttaatc aaaaaagaag
 63361 actaaaaaat gtaaaatttg gaaggaatcc ataaatgcgt gtgtgtctaa atacaaatta
 63421 tcatgtgaag aaaaggccca agtgtaacca taagcagacc ttgatttttg gatgggctaa
 63481 ttatgaatgt ggaatactga ccagtttaatt tccagtttta atgaaaacag atcaagaag
 63541 aaattttatg agtaggttaa aggtctggct ttgaggtcta ttaaacacta gaaaggactg
 63601 gctgggtgag ataaaatctt ccttgttgat tttcactctc attctataaa tactcatctt
 63661 tctgagtagc catgatcaca tacaatgta aattgccaaa tcattttata gtaccaaggt
 63721 gaagaagcag gaactagaaa gtgttgataa tagctgtgga gttaggaaaa ctgatgtgaa
 63781 ggaaataatt ctttgaaatg gcaagaatt aaataccatc attcattatc agaagagttc
 63841 aacgtttgaa gtgctgggag ataattctaa ttcattcttg gatagtgaag caaaactgat
 63901 tgaaaatacc aagataagac agaaaaagt actggaaaga ggagcttttc ttcaggcat
 63961 gttccagttt caccctaaga ctgaccttca aataatcagg ttgtactgaa ataaaggact
 64021 tgtaaaaaat taaaattatg tcatcgagat gatagctttt ttctctctcc aacagtttat
 64081 tgtcatgtgt tgtgggagag ctcgagtga gagcaataaa ctccaggtct tataagaatg
 64141 tacatacaat aaaggtggtg ccagcagttt ttttttttct aaagagtcac atgtagaaaa
 64201 gctccagta ttaagctcct gaattcattc cttaaataaa ttggctctct ctctcttcta
 64261 taatttcttt ttctttttat ttttgagatg aagtcttgct ctgtcgccca ggctggagtg
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 64561 ttaaaaaaaa tccggaagct ttttgttgaa ttacgttaca gacttagtta ccagtccttg
 64621 ttagagttac cttcagttga catgctgtga atgggtccac ctcttttatg gcagaattca
 64681 ttacttaaaa taactctatt ttcttcccc ttacctaaat aacagaaagg ctactatgt
 64741 cccaaatatt attggcagaa gcaaaactata aagtcataag ccctttgcag tgcaagtcta

FIGURE 1 (continued)

64801 gaaataatTT tactctgtgt ttctttctgt cteccctcttc cctccccttt ttccttcccta
 64861 ccctcccctc ccctcccctc tccttcttctc tctctctctc tctctctctc atacatacaa
 64921 acatcaaata ccagaaaagc atagatttag aaagctgaac tcctctgaaa cgctgacgga
 64981 caacactggc ccctctctgc cccacaacaa attctcacc atctcacctt tgcctctctga
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 65101 aaatcacacac ttttaactta tacttccatc ccacagcaaa actcttggca tcaagataaaa
 65161 ttatacgtag cacattgaca tcagcatgaa caattgctat tttaaatgaa caaatagtaa
 65221 actgaaatag tgtctggaaa aagaaactgc ctatcaatac ctctgaaaat agtagctata
 65281 gaattcctca ttttaaaaag tcaaggaaat tccatataaa caatcattaa tgttattcag
 65341 tatcagtggg tgaacatgtg ccagcaaaaa caatgttatg tatacatcac tcaaatTTta
 65401 ttaaaggcag cacaatagcc cgctcatttt ttgattcaga aataaaactgg acttccaatt
 65461 ctaatgccaa ctcatcttat ggaatgtcaa cacaaaattt tctcatgaa ctgaagtact
 65521 gacttgtaac taaaccatct ctcttcaaat agtaccgcag actgtctttt aaagttagctc
 65581 atcttatttt gatgcaatct aaaaggccca aactctgaaa gaaaataaga aactattggt
 65641 aactattatt aacaaagtaa tatatcaaat aattcactca aactcctact taagaaactg
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 65761 catcttatgg caggttgtac cagtttcaca gacatgagac aagtgggaag aaggaaaagc
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 65941 atacattaaa atgttgggtt ttataatgaa tcctaatact gtaagattag caataaattt
 66001 ataaacaatg gtcccagaaa ttttaatgag caaaaaccac tgaacaatta caccacaagt
 66061 ctcaaaaata tcaaggaaat ataatccaca aagagcgact ccaaatgtca aaatcaataa
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 66181 cttcattacc aactttctga aaagcacacc cagcaagtcc ttgattagggt tcttttacat
 66241 tcttctgctg catctttagt ctctgtctca tctgcacata aaaacaataa ccacagttat
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 66361 cccttttacac atgaggcaat aatcacactc tcattttaata cttactgaac agtcaccacg
 66421 agctgcagac aaagtttacg agaaaaatag aaagatcagg gcgcctactc tcattgagct
 66481 tacagctcag ggagaacact acaggttttg gagctaaaat gattatggat gtggagacac
 66541 acacagaagt taatatTTtg ctttctacta agtttctggg aagtacagtg agaccaaaag
 66601 taaatgttat atgtagaata gataagagct gatcgccctt catttcttga agtgagaaaa
 66661 aaaattgtga cattaacaga aaaggaatgg aaatattttt ctacccttgg tgagaagggt
 66721 atcagaaaat gcagaattga caatagaact aaatttttaa aagacaaaga gaaacaggag
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 66961 ttatatgtaa tagccaaaaa gtggaaacaa ccaaatgtc catcaaatga tgaatggata
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 67261 acccaaaatg ttgcgttctc ggggttgga aaaaataaaa attgatagt gtgatggagg
 67321 tacaactctg taaatatact acaacaatt gaattgcaca cttttaatgg gatgaattgt
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 67501 tctgggtggg ccctatattc aataagaagt gttgttatc aaaaaagaca gagggagatt
 67561 aacacacaca gatggaggga ggcaatgtga agacggaggc agagactgga gtgacgtggc
 67621 cacaaagcca ggaatgcca tagccaggag aagctggaag aagcatggaa gcgttctagc
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 67801 ggaaactaat acaaatatat gaattatc tcaataaagt tcttattaaa aaaagactca
 67861 accttgtaat gaagggcaga tgacttgcag tttcagagca aagtgataaa tgtagtggta
 67921 ctgtcaacac atggagaaga aatattaaac aggatgtaga ggcaggtggg atgaatgaaa
 67981 agtggatcac aataccccc tgcattgaggt gggagatgat gggacataat tccacgcctt

FIGURE 1 (continued)

68041 cgtaagtgc attctctcac tatggagtgt tctttttgcc caccagcaa ataaccattc
 68101 atccttgagg gcacaactta aatgccacct cccatccctc tatagtgttg tctatgtact
 68161 ttgtcctgaa gctcttacta tgtttgtccc accctactgt aattaagtgt ctgtcttttag
 68221 gcacttaaaa attttcatca atagaactag attgagtaac aaaaaatttt tcatcaatat
 68281 acctagaaca acggtcctca actgggggaa attttgcccc caaagaacat tttttgcaat
 68341 gtctggagac atgtttgtct gtcataactg cagaggacac tactgacatc aagtcagtaa
 68401 aagccaggga ttccattaaa caccgacaa tgcacaagac agcccttcaa atgtccaact
 68461 caaaatgcta acagtgtgga ggtgaaaaac tcttggaact tagaaaagca tctaatacac
 68521 aggagaatct catgaaatgt ttgtggggta aatcgatgaa tgaatggatg gcagatggat
 68581 gatgaatgaa tagcatggag ccttgggggt ttaaagcatg gctgcacagc agaatcacc
 68641 agaccctgat ctcaaaaact gacttaaatg actgctgcca gaaccacccc ctagaaattg
 68701 acttaattca tctgggatgg aaccaagctg ctaatctgtt taaatctca ccaggtgatt
 68761 ctaacatgca gccagaggta agaggcagca ctggctaagg aacagactca gtatagctta
 68821 aatgccaggc cggctcaagg cagacggaag tagagagact gggcaatcaa aagtatgcaa
 68881 agcatagata gttccatact ggttatatgt gtctccaaac aaaatattaa cgaagaaaga
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 69001 gaatgacaag atggatggct ggagagatca caagacaatg tggatgcagc agtatcttcg
 69061 ttaaaaagaa atttaagaag aaaaaagcag acattcagca gatgggaaaa aaggtacttt
 69121 ctgtacatta ttttcaactac caccatttat ttttgataat cctaaagtga aagtaagtag
 69181 taaaccattt agtccggagc ttctactctt gtaacatgca cacaatcagc ctgcggggta
 69241 tcttaaaatt caggctctga ttccagtaggt ctgcagtggg .cctggcactc tacatttctt
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 69481 ggttaggctt gtctcaaaact cccaacctct ggtgatctgc ccgctgggc ctcccaaagt
 69541 gctgggatta caggcgtgag ccacagtgcc cggctgagac tctacatttc taacaagctt
 69601 ccagttgatg ctgacaccac tagtccatag acctagttaa cagtcacaat agcggatctt
 69661 cagtaacttt ttactttacc caatttgaat gaagcaacag aaccagaagt ttccaataac
 69721 tgataaagtg ataaggacat tacaattaaa tatcaaaaact ctcaagcatg cctttgttca
 69781 ttttatactg ctaaaatgat agagaaaatg atcaacagca aatatttata tgaaaagtct
 69841 acctcaagaa gaattaaaga aaattagttg aaagtaaatt gaagatgtaa attaaccaaa
 69901 tataaactta ctatacacta aggttttata ttaaaaaatg aattcacatt agaaatttct
 69961 aatatggcat ctctgatatt ttgaccaaatt aaactctgga agagcattgg tttgactaga
 70021 caaagggagg ttaagtcact aagggcattg aagaagcaac gtgtagcctt ggaaaagtaa
 70081 ttttaacaaat agtaactatg aggtctgaag gcacaccctg tttgagacaa acagaaaact
 70141 attaaggcaa tgatgagtta aggacttccc taagagcaat ccaaaatatt tttaatggaa
 70201 aagatcagct aatagggta ctgtttctag aatctcaccg ctctcctgca aaccagtaag
 70261 actatactat aacaaagaaa attttctcaa acaatctagt tcccttgaaa ctgttcagggt
 70321 ggtatgacta aggacatata ccaacacaca cccacttcaa accactgcaa cacccttacc
 70381 aaaagtcaat ctgccggcaa ccaggcctca tccagcaagt tacaatcaat gggcaaaatt
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 70501 tgaggatccc aataagataa catacttagc tttctttcat ctaaaactgaa atctatagtt
 70561 ctcaagtgtt cacagtgaat tctgttccct agcattaatt tagcagcctg gacattccat
 70621 cccagggaact ctgatttcag caagtctgga taggtccttg gacacagcta gaaaacaaac
 70681 aagcaaaaaa ctccccagat gatcttgata ctcaactgtg ttaggaataa tgctctgcag
 70741 tttgtaacag ggcttctcaa actttattgc cggaagtat caccagggtat cttattaaaa
 70801 tgaaaattct catgccttag gttgtgggtg ggcccttagg ggccctgcat ctctaacaag
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 70921 atgtctccaa aggaccaagc ccatgaagta gagagggcta ggtgggggt gtgtcctctt
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 71041 gaacttgctg atttgtcaga aatgtcagaa atctagcctt ttatggaaaa atctcctgac
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 71161 atttgaatgt tctcatttga tctcattac aaccctacag ggtattaagc catcttatat
 71221 gatagacaag gaaaccaagg tgtagaggag agagagagaa attaactaac ttacctaaga

FIGURE 1 (continued)

71281 tctccatcta gcagcagagc aaggattcaa acccaggtct tccctaccca gaacccatgt
 71341 tcctaaccac taggccactt cccactggtg ggtggtaggc caccctccct ctgctaactt
 71401 aggtttctagc ttgggattct gctacttact tggactccct taatttggtc ctttgagtaa
 71461 ctaatctgct ctttggtttt atgttcacag ttccaattta gagtgaacca ccattccagt
 71521 ttgctagaga ctgaggattt cctggaacat ggaacattca atggtaaaac caggacactt
 71581 ctgagcaatc caagacagtt ggccactata gttttcattt aggggtatta ttttaaaaag
 71641 aaaacaaaac ttacatgact cttgttgcat ttactatagg cttttaaact gacacacaat
 71701 tgtacatatc tatgggatac acagtgatat ttttaatacat acaatgtcta gtggtcaaat
 71761 caggtaaatt gcatacccat cacctcattt atcaattctc tgtgttaaga acattcaaaa
 71821 ccttctcttc tagctatctg aaaatatata ttattgttga ctatagtcac cctacagtgc
 71881 tatagactat tagaacttat tctctctata aagctataat tttgtatcct ttaaccaata
 71941 actccctatc ccttctctcc tgctaactta tacaattttt caagaatact gttcactcaa
 72001 cagggtccaac gagaaattcc actttgtttt tcttaaagaa ttagtgcagt tctgtcccca
 72061 ttttttactg cacaactgat tttgtgtccg tttttgccct attttactat gttgtttatt
 72121 tgctaatacc atgttcatct ttattttatg aattttctgtt aataattagc tcaaatgctt
 72181 agtaggaagg gagaataacta tacaagcata ggtggctttt gctttgatta ctagaaaagc
 72241 aactcagtat tagataattt gattaaatac tagactaact cacagacctg atcctttttg
 72301 cttcggaagt gccagtacat tcaggattgt ctctgagggt aagtgtgacc tgacaacact
 72361 taatccccac tctcctcatg ctcccacaag gaggaacttg cagtgggaagc atcctggcct
 72421 cacttcacac cctccacact gtccgtggga agctaagttt gggagatgaa atggcatgct
 72481 cagctcagcc cctgcctcct caggagtcag caccagctc ccacctgacc ctgctcccca
 72541 aggtcccatg cttcgctcct ccacctattt ggttttacat ggacaggtct ccacagatga
 72601 tgccctgagat tttccatctc tgccagtgcac tgggtgagta cgtttatttt aaaggcatag
 72661 cattggaagc ctgtctggct gcccaccggg atcatgacaa tctctacat ttcatagca
 72721 ataaagcgaa cctccttgat ctccatttgt cagaatctat ctctctctca gtcggttctg
 72781 acctgggtgg ggaagagaag agtgctagtt atttgctccg taaaacccca gtaactagtg
 72841 agtacaatgc tgaatttact gaaccttgta ttcaaaaatt caaataatac tggttaccat
 72901 gaagcttaaa gcacaaacat tgataatgtg ttccacattg aaaattttta atacaactga
 72961 taggcaaact cttattttttc aataaccacca tttaaattgg tcttcaaggt cactgagttt
 73021 ggttttagtt ttgaagcctt atctgactct gccttttaga agcacaattg aaatagttgg
 73081 aacagacctc agcacatcaa ggaaaagaca actacgtatc agtaatactt gctattgaaa
 73141 gagaaaacaa taaatggctt ttcttatttt cttcctgtct gcttccagaa atctaattccg
 73201 aatcacactc ttgtgtatct atttcttgag aaggaggtag aacagaaatg taacagccaa
 73261 acacgcagca actcctcatt agttatgtct tcaaagggct ttttgtcaag aaaactgaca
 73321 cagcattcag ttttgatgca cacttttgta gaaagcacat aatggacaat ttagtatatt
 73381 agaataaaat tgatcagcaa gctattttta taattataaa taatgaggtt agtaaaactc
 73441 caacttcaga tattctaaca tgctcaaagt aataatgtaa gacctattcc ttagagctta
 73501 ttatgtaata aacagaaagt aaaatatggt tcacatatcc acacctaaaga caccttaatc
 73561 atagtcacag ggttaattgt tataattgca tattaacatt atctggtata atcagagcca
 73621 tgttctatgt ctccatagct tctttccatt aagtcacatt aagttccaat tcattccatc
 73681 ttgtcatgct ctaccagtg acagatatgc atcagtgtga ctcatgttca cataaaaata
 73741 aagtcataatc tttagcaaatt acttttctaa accccctat atatggactc catgggaatg
 73801 agatcccata cacaagaaat gattgcatcc aattttgtaa gtttgatttc agaagtcaga
 73861 ggagattcag atactttcta ataaaaacac tttatccaaa agaaggaca atataacttca
 73921 atttcagagt agaacaaagt ttccacagtt cattttattaa atgaagatct ttggtgtgaa
 73981 gaaagcaaac cacacctc taactgaatt gcatttgtaa gtgaactctg ctgctaaata
 74041 aaaacattac agctggaagt tctactcagg aagatggcag aatgggtgtt gctcagctcc
 74101 cataccccca acaaaaatcc aaccaactat ttacagacaa gaatatcttc attaatactc
 74161 ctgaactccc tgaacgtgaa aagctgagac acccccttgg accacataac tgaaaaaagc
 74221 ctcatcgaag gggtaagtgg aatagaggaa tggtttcaat ttgaccacat caccactccc
 74281 ccaaaccctg ccacacctca agccagcaca gcaccacaca cagaagattc cctggggccc
 74341 agagtttcta cagtgggaaa agagagagggc aaacattcag cttccccaac attctgggac
 74401 cctgagcagg aagccactc attattatct cccgggaaac actggggagta caggcagggc
 74461 tagaccacct aggatcagcc agaaacaaag aacaaaagtg agactcacag aaacgagcac

FIGURE 1 (continued)

74521 atggatcttg cagtggctct gcattctagc caatggaggc actccaccag agaaactggc
 74581 caacagcatt agcactgtcc tgcaggaagt atagtcaact gatctgccag gcttcattcc
 74641 ctagccagct tccccaccta gctctgggtg tctccttaag ccttccccag gccaggcagc
 74701 aagggcaggt cagtgtattac ctaaggaggg tagcaacggg cccaccccaa cccagcagc
 74761 caactagcct aacctacca agccttcacg ttctgcttaa ggcttgccag gctaggaggc
 74821 aagtgcaggt caatgaatga atatctatgg acaaaagtac ctggccccac ccaaccccag
 74881 cagctgcagtg gtgacccac aaagcctcag tgctttgctt aaggcttccc tgaggggaagc
 74941 ctgcatccat gtgtttctct agacgatagc ctggcccatc ctgaatggct gagcacaaca
 75001 gcagaaacct caccagtcg ctgagcccag cacacagacc tgcccagcta cagattaaaa
 75061 acagcagtac ttcccagcca gggaaaacaa catgcaaccc tgtgcaatca gaggctatta
 75121 cagagcccag ccagtagctc caccttaact gtggagtcca gctagtgate tgtctcatca
 75181 gaccacagag cacagccaga agttccactt gacctcaaag aacagccagc aggctggccc
 75241 aacagcaaca ccaacagcaa ggtgtacctg tctgggggtg ttaccagctg gcctatccat
 75301 aatcaaatgc taaactaact agtgaaggte taccactgtg aaagaaaacc ttcaaggcca
 75361 aaagagggtg ccatttcctc aaatgtgtag acaacaaggt ttagaaagaa tcagggaaat
 75421 gtgacacaac aaaaagaaac taataaagcc ccaataatgg accctgaaaa aaatgtagag
 75481 ctatgaaaaa agaatgaaga aagcctacat aaatctatgg gacaccatca agaaaactaa
 75541 ctttcttata ataaaattct aagaaagata tgataaagaa aaaggcccag aaaatatatt
 75601 taagaaaaata tggctgaaag ttcccaaaat ttgtggaaat atgacaacat ccaggatatag
 75661 aaagctcaga gatctccaat taaattcaag ccaaagatga gtgcaccaag acaaatcata
 75721 atcaaaactat taaaaaaca agacggctcag ggcagtggtc tcatgcctgt aatcccagca
 75781 ctttgggagg tgcaggcggg cagatcacga tgtcagcctg gccaatatgg tgaaacccca
 75841 tctctgctaa aaatacaaaa atttgcctgg catggtggtg cgtgcctgca gtctcagcta
 75901 ctcaggaggc tgaggcagga gaatcgcttg aaccaggag gcagaggctg cagtgcagcca
 75961 ggatcatgcc actgcagctc agtctgggtg acagagcaag actctgcctt aaaataaaat
 76021 taaattaaaa ttaaaataaa acaaagacaa agaactctga aagcagtaag agatcaggaa
 76081 tgtataatat tcaaggaggt cccaaaacag caaccagcag atttctcagc agaactcctg
 76141 caagccataa aagggtggga taatataatc aaagtgtaga agaaaaacaa aactggcaac
 76201 caagaatact taactcagca aagctattcc tcagaaataa gggataaata aaaactttcc
 76261 caaacaacaa aaaactaagt aagtttatca ccactaggcc tgcctaacag gaaatgctaa
 76321 agggagctaa gctgaaataa aaggctccta attgatacat aaaacttata aaagcaaaaa
 76381 gcactaaatg gtgtaagtaa gacatagtea tattcagaat aatactgtaa ggatgatgtg
 76441 taaaggaatt ttctctgtat tatgagagtt aaaaaacaaa actattaaaa acaaatgcag
 76501 ctataataaa ttgttaaagg aatccaaatt acaaaaagat gtaaaattta catctaaatc
 76561 ataaaagttg tccggggggag ggcgttaaag tattgagatt ttatatgtga taaaagttat
 76621 cagcttaaaa tagcctgtta taataagata ttttgtgtgt gttttttttt attttttaag
 76681 gagatggagt cttgctatat tgcccaggca gggctcaaac tccttggctg aagtgatctt
 76741 cccacttcat ccttccaagt agatgggact acaggatatgc acaaccatgc ccagcctgta
 76801 caagatgttt tatataaacc tgatggtaaa cacaataaaa aacctgtaat agttgcacaa
 76861 aatataaaaag gaaaagattc aaagcatacc atcacagaaa attatcaaac cacaaggaa
 76921 agtagcaaga gaggaagaaa gaaacaacag ctctacaaaa caaccagaag caaattacaa
 76981 aatggcagta gcatgtcctt acctatcagc aattaccttg aatgtaaatg gattaaagtc
 77041 gctagtcaaa acacatagag tggctgaatg ggttgaaaaa atagtaataa aaggccaact
 77101 atatgctacc tgtgagagac tcactttact agtaagaaaa tacatggaca aagtgaaggg
 77161 atggaaaagt tactccatgc aaatgaaaac caaaagagag caggggttag ctatacttat
 77221 atcagacaaa atagacttta agtcaaaaagc tacacaaaga gacaaagaag gtcattatat
 77281 aatgataaag ggatcatttc attaaagagga cataattgta aacatatata caccacacac
 77341 tggaacacct aaatacataa agcaattatt acatgatctg agagatagac tgcaatagta
 77401 taagagtagg ggacctcaat accccacttt caatgatgaa gagatcatct agacagaaaa
 77461 tcaataagaa aacattggac ttgaattaca ctttaaatca aatggacctc acattcatat
 77521 acaaaacatc acaccctaca gcaagaaaat acacattctt ctcaagcaca catgggacat
 77581 tctccaggat agggcacaaa acaagtctta atgaactcaa gaggatttta atcatatcaa
 77641 gtatcttttc tgatcacagt ggcattgaaac tagaaatcta taacaagaaa tcttggtgaa
 77701 ttcacaaata tgtggaaatt aaacaacatg ctctaaaca aacaataggt cagagggggg

FIGURE 1 (continued)

77761	aaaaaaggaa	atcaaaactat	attttgagac	aaacaaaaat	ggaaacacaa	catatcaaaa
77821	ctaattgggat	gctgacaaaa	gcagttctaa	gtgggaaata	taaaacaata	aatgcttatt
77881	atcaaagaaa	aaatctcaaa	taaacaatct	aatgttaaac	ctcaaaaaac	tagaaaaaga
77941	accaactaag	tccaaagtta	gcagaagaaa	gaaaataaca	aatattagag	ccaaaaataaa
78001	caaaatggag	actagcaaca	atagaaaaaa	tcaacaaaaac	taagaattgg	ctttttgaaa
78061	agataaaacaa	aattgacaaa	cccttagcta	gactaactag	gaaaagaaag	aaagaaaact
78121	caaataaaatc	aaatcctctg	aactcatcac	accatcatgt	aatgggaaga	taatgattat
78181	gaccatattt	ttgtctcatg	atagtttttag	cttatacaaa	aagtcttaat	ataaacgacc
78241	aaaaataaaag	aaatgcttaa	attatgatac	atcataagat	acattgcagc	catcataatg
78301	aatgatttag	aagaatattt	aataacacag	aatgctcaaa	atataaaaaga	aaaaaatatc
78361	agaatataatt	ataagaagaa	tatgaagaca	attttaaata	cacaactaga	aaaaagatga
78421	atgttaatat	taacaatgaa	taggtctgga	caatgatttt	atcttctaca	cttttctgta
78481	tgtttcaaat	agccttcaac	aaatttacat	ttgttgtgcg	attagaaaagc	aataacaaat
78541	acttttttaa	gtctttaagc	tcaaaacttc	tgcttattta	aaacaaaaacg	aaaatgaaat
78601	gaaagaggag	acattacaac	tgataccaaa	gaaatacaaa	gggtaattat	gtaaaattat
78661	atgccaacat	ataataacct	agatatttta	ttggataacc	tagatgtgaa	cagattcctg
78721	gacacataca	tcttgccaag	gctgaatcat	aaagaaacaa	aaatctgaac	agaccactaa
78781	tgagcaagga	ggttgactca	gtaataaaaa	gcctcctatc	aaaaaaaggc	ccagggccag
78841	atggctttac	tactgaattc	taccaaacat	ttaaagaaga	actaatacca	gtgcttctca
78901	aactcttcca	aaaaactgaa	gtggaagaaa	gccttctgaa	ctcattttac	aagaccagca
78961	ttacccagat	accaaagcca	gagaagaata	ccacaagaaa	aaaaaattgc	aggccaatat
79021	ccctgataaa	cacagatgtg	aaaatcctca	acaaagtact	agcaaaccga	attcaaaagc
79081	aattaaaaga	atcattcaca	tgatcaaattg	ggcttttatcc	ctgggtatgca	aggatgggttc
79141	agcataatgca	aattaataag	tgggatatac	cacattaata	aaatgaagga	taaaaaccat
79201	atgataatct	caatagatga	agaaaaagca	tttgacaaaa	ttcaacacca	tttcatgata
79261	aaaattctca	acagattagg	tatagaggta	aagtacataa	taaaggccat	ataagataaa
79321	tctgtaacta	acatcatact	caacggtgaa	aagtagaaag	cttttccaca	aggatgcccc
79381	ctctcaccac	tttttttcaa	catagtactt	aatgtcctgg	ccagagttac	gcaagaaaaa
79441	caaataaaaag	gcataccta	aggaaatgaa	gaaatgaaac	tatctctctt	tgctgatgac
79501	atgatcttgt	atatagaaaa	tgctaaagac	tccacaaaaa	aactgtcaga	agtgacaaaa
79561	aaaaatcagt	aaagttacag	gatataaaat	caacatacaa	aaatcaggag	catttctata
79621	cattaagaac	aaactatcta	aataggaaat	taagaaaaaca	atcccattaa	caattgtctc
79681	taataaaaaa	aattaaccaa	ggaggtgaaa	gaactatata	ttgacaacta	tagaacactg
79741	atgaaagaaa	gtgaagaaaa	agcaaatcaa	ttaaaagatg	tcccatgttc	ccagcctggc
79801	ccacatgggtg	aaatctcgtc	tctactaaag	atagaaaaaa	ttagccgggc	gtgggtggc
79861	gcacctgtaa	ttttggctac	tggggaggct	gaggcaggag	aatcgctga	accaggagg
79921	cggagggtgc	agtgaagcaa	gatcatgcca	ttgcaactca	gcctgggtga	cagggcaaga
79981	ctccatctca	aaaaaaaaaa	aaaaaaaaaga	agatgtacca	tattcatgga	ctgaaagaat
80041	taatgggttaa	aatgttcaca	ctatccaaag	tcattctatg	atttaattgca	attcctatca
80101	aaaatccaat	gtcattttca	cagaaatata	aaagaaacaa	tccttaaact	tgtatggaac
80161	cacaatagac	cctgaatagc	caaagaaatc	ttgacaaaaa	aagaagctgg	aggtatcaca
80221	ctccttgatt	tcaaagtata	acacaattat	aattgcaaca	acatgctact	ggcataaaaa
80281	cagataagtc	aatcaacaga	acaggacaga	aagcccagta	ataaactcat	gcatttatgg
80341	tcaattgatt	tttgacaaa	atgtcaagaa	tgcacaatgg	ggaatgggtg	tggaagaaact
80401	gaatatccat	atgcagaata	ataaaatttg	atccttatct	caactccatg	ataaaaaatca
80461	actcaaaatg	gattaaagac	acaaatataa	gacccaaaac	tgtaaaacta	ctagaataaa
80521	acaggggaaa	tgctccatga	cattgggtctg	agcagtgact	tttttttaat	acgaccttga
80581	aggcacaggc	aaaaatagac	aaatgtgatt	atatcaaacc	aaaaagtgtc	tgcacagcaa
80641	agaaaacaat	gaacaaagta	aagagacaat	ctgtgaagta	ggagaaaata	ttttcaaact
80701	acacatctga	taaggggtta	atatccaaaa	tatataagga	actcaaacaa	ctcaatagca
80761	aaaaaaaaaa	aaaaaattaa	aaaataggca	aaagacctga	acagacattt	cccaaaagaa
80821	gacataaaaa	tggccaacag	gttcatgaaa	aaatacttag	catcattaat	cattaagaaa
80881	atgtaaatata	aaatcaaaac	gagatgctac	atcacacctg	ttataacaac	tattatcaaa
80941	agatgaaaga	gactgggtgt	gggtggctcac	gcctgtaatc	ccagtacttt	gggaggccga

FIGURE 1 (continued)

81001	ggtgggcaga	tcaagaggtg	agatcaagac	catcctggct	aacacagtga	aactccatct
81061	ctactaaaaa	tacaaaaaaa	aaaaaaaaaa	gtcaaaactca	tggaaagtga	gagtagaatg
81121	gcagttacca	gtggctgggg	gatgaagagg	gggaaaaagg	gaatggagag	ttgttggcta
81181	aagggtagca	gttttcactt	aggaagaata	aattttgaga	tgaattgcac	agcagggtaa
81241	ctacagtcac	taatcacata	ttgtatgttt	caaaaataact	aagagttaa	ttcaagtgtc
81301	ttaccacaaa	aaaatggtaa	gtgaggtgat	agataatgta	aattagctta	atttactcat
81361	ctcacattgt	atacatatcat	caaatacatca	tacttttacc	cacaaatgta	tataattatg
81421	ccaatctaaa	aaatattaat	ttaaaaatta	cagcttgaga	aattttcatgt	aagaaacaaa
81481	aaatccaaat	atttatatag	aatgtgtgac	ttacataatt	cttaagcaac	attacctact
81541	ttcattggta	atgtaaagaa	taaatgtgaa	ccatatttttc	agtgttttat	tctaaaactg
81601	gttatacatt	taaattcttt	tatttattaa	acaggcactt	ggcttaaggc	agcactttag
81661	acaccatgga	aaatgtaaca	atgaattgca	agatagagtc	tctgttttta	aaaatgttat
81721	gcagttttta	ggaagagaag	gtgagtggtg	atgtgatcct	ataggaaacc	aaagtgtctg
81781	gacattcaca	gaagacagaa	aacttaacag	aggggaccag	ggaaggctac	aatcagagag
81841	gataaggttg	gaattcaaat	accattgaag	gggtacctga	acattttctgg	gaagaagagg
81901	gcctgaacaa	cagcagaagc	taggaaatca	ccgaaatcat	tagaccagat	tagctacaca
81961	ctgaataaca	tttaggtgac	tacttagaga	ttgattagga	aaagaacttc	aggtcagatc
82021	atggagacac	tgaacaagtt	aaggaattct	gattttgatc	aacaggcatt	ggagagccat
82081	agaagggaag	gtggttatca	aagctgtgct	ttaaggaaat	tctgtttagt	gttgtcaaca
82141	atggtaggaa	gagaagagag	acttgaggca	gggaggtctg	ggagaagggt	tatggcattg
82201	gtccagttga	agttgtagga	agagaaagga	agggatgggc	atgagagaca	ccgcaggaat
82261	agaacaaaca	acacctgaac	actggaagt	ggaagcaaga	aagagaagta	attcagtgat
82321	gactcagatt	ttgtctctgg	gtgactaagg	aaatggaagt	caaaaccgaa	atctgactca
82381	gttcagagtt	aatggattat	agattttaata	aggaatagat	taatagatag	aaatgtaata
82441	gccaatatat	tttagagtaa	tctacaatag	aggtaaaaa	tgaatctatt	taaatagatt
82501	caccaattgt	tacacagatt	tctaacataa	ataattgaat	atttgtttgt	gtcgaaaact
82561	agttattgtt	gtatcctgta	ccatgaccat	tgcaagatga	aacactagat	cgtgacgaaa
82621	cacctgagaa	cataggagtg	gctcaggaga	ggaggtttgc	atacagaaac	taataataacc
82681	acaatgagtt	acaagtttta	catttttaaat	tcatttcctta	gaacaaattt	tcatcactaa
82741	agtttgaaaa	tactaaagtt	tgaagttgaa	atactaagca	aatctattca	aagtatttct
82801	ctccattcaa	actaatttct	cttttctctgt	gaaaccaaca	ttattttctg	gatgacacaa
82861	ttaattacca	tcaagaataa	cgtatttcat	agagtactaa	cctcaacttt	gatttcataa
82921	gagcattggg	aaataggttt	tatgtttgca	tactcttatt	gacgctacct	gtgacttaca
82981	aacatacctt	cttaccgcag	tctaatttaa	accataatac	ctttatattg	aggtgctttt
83041	aagaattatt	taccaaaaca	catgtctgcc	aagcctcacc	tgctattgta	ttctctggag
83101	aactgagttt	cagatgttgg	tcttctgag	aaaggctcac	actgatacca	tacagtggat
83161	catctaagaa	ggagggcctt	ttcagttctc	caatgccaa	agtcttcgac	ataaaaatgt
83221	cttttgtgtc	actaataata	acgtccttgg	aaaattgaag	gcatttcata	ttctctgctt
83281	cagtgaacag	agcttctgac	atgttatgtc	cagtcaaggc	tttagtgaga	tagtagcctt
83341	tagaagcttc	acattcttca	ctctcaagca	tatctgcac	ttctacctca	gttttctgga
83401	cctttgtttc	tgattcattt	agcaatttag	agatgatgga	cctggaaagc	tgggggaaca
83461	caggtgttac	gtcctcaatg	tcttctcttt	ttctttctga	agaaagttaa	atgatggatt
83521	tttgttttaag	tatgcattca	tccagaagac	actttaactg	ttcttcagag	agacatgatg
83581	tggactctaa	ctgatgaaac	aaaccaaaa	attacatagt	cagttgactg	agtaaacaca
83641	tttatttttg	gtaggcatcc	agtaatacaa	atataaatgc	aagtaacccc	ttacacaaca
83701	cataaaaaata	gaaaaataat	tcaattgtaa	gtatccaaaa	ctgtagggga	aatgtcataa
83761	tcttggaaca	atcttttggt	ggtgtttctc	tgacccacc	catccctcag	catgaatccc
83821	accaccatcc	aattccttac	tgggaaaaaa	attggcatac	aaggcagact	accctacct
83881	ctggggattc	agcactccca	tgtctgtcca	caactatcag	tggacaatac	tgtgaaagac
83941	agaaaaggaa	gggtgaagg	tgggtgatcc	tgcaatgtgt	cgttgctgca	aagctacagg
84001	tctaggcaga	ggccaggggc	attccagagg	cgggtgtatt	ggggagaatg	atttgatcat
84061	gcatacttaa	tctctgcttg	taaaggttac	cagggctaag	tgtttcaacc	aagaccttaa
84121	atattttaaaa	acattttttt	tctttcagca	atattctcag	gaaataaatt	tttaaaaatc
84181	aaatgaaagt	agagagccat	gtcccacaag	acttcagctg	aataccataa	catttgagtt

FIGURE 1 (continued)

84241 gcaacaatct caaaaaggaa tgagattaaa atatagttaa acacactgaa aaaaaaatgt
 84301 ctacttcccc aaaaaatcag tgtcttccat ggtttacatg tggattatct aggaaaagac
 84361 taatcctcct ttacaggggg atgaattatc tgagaacaag aagtccccat aagaaaactt
 84421 aatcatgaat ttcaatgact ttaatttcta cttcagcaaa gtaaaataat gttattggcc
 84481 tactctgaag gtacatagta aaaaataact aaatattctg catatgtaaa gtactgaaat
 84541 aaaaagctat tactgatact agtatagtta attctccact attaggtaaa gcttctaattg
 84601 caactaataa atactaatat gtaaaacaat tttgtgccat gtttaaaaaa tattgtttta
 84661 aattatgttt aacttaccta tattaataact agtttttaca gtggcaagtg tcactatgag
 84721 tatgaggata ataagaaatt gtctggaaat atattcttag taattatttg gaattcaaaa
 84781 ttcagggtgac tgaccctaag gttaatatatc atgtcaagaa ataggatttg agatttgga
 84841 ttcaaaattc aggtgactga cctaagggtt aatatatatg gcaagaaata ggattagaat
 84901 tatgtattag caaattctac ttttagtcac taggcatttc aggaatccag atatagtatt
 84961 ttatccatct gtatccagaa tcaggagcat tatctccacc ctactatgga aacctagtca
 85021 agtagaaaaat gaaggaggtc cttctatgac attagatacc taaaacacac tttcaaaactt
 85081 tgcttatgta aaattacata taatgtgtag acaattccct acgatttaga aagagcccg
 85141 tgagtgtcat ccttaccaaa catcctcatc aaagccttat tatgatgaaa tttttagaca
 85201 ctagaaaaaa aatcagtcga tattagagca ggaggagggtc tctagggaaa aaagggtagg
 85261 agggaggatt ggtagattat ccaatatgct tgaccatttc caaaagtaat attgatatga
 85321 tagatgtttg gcagttctga tgatgtattt ggctaaatac acagaaaatg aagcagaagg
 85381 aaaatcaaag caattatgaa ctctggggaa acaaaaaagt tttacaaaaa aaaggaaaag
 85441 cagtgcata tacacagaaa attaggcaaa agaaactaag ataattatga agtctaggac
 85501 aaacaaaaag ttacatgaga aaggatgcca taggctaata attgtctctg ctgtgaataa
 85561 tatttacaca gtcaatgata atataaatac tgatgactaa ggtaagcaaa aattgtgact
 85621 taactatttt ggggaaatgt gacgagaaac aaggggtgtt tgcactttat tagttaaatt
 85681 attgcctacc attacagcaa ccaatatat aatgtctaaa actaatcaat taagaaagta
 85741 agttattaat aaataatata gaggtaaaaat taggaaaaac acaaaagatt taaaagcagt
 85801 taactggaga aaatatcaag gggtagggaa ggctgaggca aggggctgcc atttttattt
 85861 aaaacatttt aacacaattt tttctttatt actataacaa aagttaaaat taaatataaa
 85921 aataaaaagta atttaaatgt attctttttt ttttgacatg gagtcttgct ctgtcgcgca
 85981 ggctggagtg cagtggcgca atcgtggctc actgcaacct ctgcttcctg ggttcaagcg
 86041 agtctcgtgt ctcagcctcc ccggtagctg gaattatagg caccaccac cacacctggc
 86101 taatatatat atatatatat ttatattttt agtggagaca gggttttacc atgttggtca
 86161 ggctggctct gaactttctga cctcaagtga tccaccacc tcggcctccc aaattgttaa
 86221 gattacaggc gtgagccacc atgcccagcc caaatttttt aataaaaatg cacttagaaa
 86281 taaaatttaa aatattttaa tgaaattccc aggtgattgt atgtttggac atcagaagct
 86341 gacctatgtt tcacagagcc agaaatttat ataactctga agcaagagaa gggcattctt
 86401 taaaaaaaaa aaaaaaaaaa acaaaattac aaattcaaaa ttaggtacaa aagcgagttt
 86461 cttttatttt agaattgtga aaagatcaca acaaaattact ggggtcttgg ggagggttga
 86521 gtccatttct tacagtatct ctttaggtca ttgaccagac gtgcttacag aaatgtttgc
 86581 tgattgcaac ctggcttcc cttcccaccc caaagctcct ataagtgaag ggcctgagc
 86641 tgaattctca ctggcttcat ggtaaattgc ttctgggcac tatgagataa aacattacac
 86701 atttcagctt gtgtgtacac agaaataagc tggactacaa ttacctgat cctcctggg
 86761 gaagcagctg gataggaaaag aaaacacaga agactagaac ctgggcttct atccaagctt
 86821 tgctgccttg agcatgtcac ctgagttctc aggggctcat ctcttttctc tgtaaaatga
 86881 ggaacttttag aagataatct ctacattaaa ttctaactct aaaattgctt tttatgaaca
 86941 actacactaa aaataaaaaa aaatttttaa ataaactttt ctactcactt tagagtgtag
 87001 cctgggtaga gttatgaaaa caaaataata gcaaaaagag aactttttatt tatttagctc
 87061 cttcacataa tcaatcccga actcttataa aataactaaa aattctctgg cctcaaaaata
 87121 taagtaagag caaatgaaat acattaaagc ctcaaattaa tttaatttgc ttctgggtgc
 87181 aatacagatt ggaaacttca acacgaccca tctttctcat cttttgattc ccagcagagt
 87241 cttgcccaca gtcaaaagctc agtcaatgac tatcatgaga attgaatgat tagagtgtt
 87301 aaaccatttt ttaaggcact atattgatat aatttattta caaatactga actgaactaa
 87361 actagggtct catcacaac atccctaact gccctcaata gtttaaggaat catctaacc
 87421 acagcctttt tccagattgc tctcaaaaat tctgagctaa taagcaccat aactgaacca

FIGURE 1 (continued)

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87481 ctcactgtgc aggcactgtc aagtaaccat ctgttcaagt attcacctca aagtattcat
87541 ctttcgtgcc agctctaatt tcccagttat ccataaaciaa gttattattc atactattcc
87601 tatccttcat aaaactcaac atagtgcac tcagtcctca tttttccagg ccagaacca
87661 atctcttttc actctgtata tgaaagcccc tctcttccca ccttcatttt agtagctctt
87721 ttatgaatct tctttctcgt ttcagccaat acacacacat ttcatagtaa aagagtaa
87781 ctattggatt tttcatcagg aaaagaatag aatacacatg cagttttagt tctgctgcac
87841 cttgcatctg gttggcacac taggttatgt cttacagaat aataataaat aggtagcatt
87901 cactaagcag actagactct gctctaggca taatacatgt attgattcct ttaattttgc
87961 aataaaccta ttaggtagaa actattgtta tttccacttt gcagatgaag aaactgaagc
88021 actaagaaat gaagtaacct ctccaagggtc atatagcttc taaaccgtgg acttgaaatt
88081 tgaatccagg tagtctgggt ccagaacctc agtgtctagc cacatggcta cactgccact
88141 cgctgtaaat gaggctctcc tctaccacc tccaagtgtc cttttcccaa ctgctgctca
88201 tttttctgtc cattctatca gatacagaaa ctctccccgc agaacagttt acttaacttg
88261 ggacttttatt gccagattg gcttttgtgt gtacgtttta tgcaaatgta cacagtgtat
88321 gttttatgca aacatatata gtgccctctc ttttagctca ttaaaaaaaaa aaaccagcc
88381 acagctccat tcccaggata cccactgttt acacatctcc acccagataa atgccagttt
88441 gatgtagaag cttaaatttga tgaggaatgc aacttgtaat tgctggagat ggaacacaga
88501 ctgtggatta cctcactctc atccctgccc cactcctat gctatatatc cggagtttct
88561 ccagccataa aaatctccag ttaattgggc aatggatttc ttgacaaggc aatcaagatt
88621 atgtccctgg tgcagataat cagaaagtct acccattata aaccagcaga agcaatcttg
88681 tcttttgatg taagcttact tcgggtgttt tttatttccc ccaaacagca ctctaaaga
88741 cccacctat gaaaccaata ccattatcac aagtgaagaa aggggtgaaa gctagaatgt
88801 tctaaatgat taacaaggag aatatggatg tacacagatt ttaatgacac ctagtctac
88861 ttccaaataa gcaactaaaa aacattccac cgtttgctta atgacgaaga tataagttta
88921 tagctctcta ttgcaaccac tactggcaac acctccgtag tagtctattt tagtcaaggt
88981 tttttggcta taaggaacag aaaccttat gtcaaaaaaa gaggtggtag ggttgaggtt
89041 tgctgtaaga tcaaagaagt catttcatgg acaacgacaa gcaggaaata agagtataga
89101 ctggcctttc agagtctaga gctgagaaac caccaggcac cagtcatgtg ccccatctgt
89161 ctttctgggt ccattgtcat tcttactca ctgctgctt tgctttctca caacctcagc ttgctatgt
89221 aaccagcttt ctctgcttat tgatggtttc tgctttctca caacctcagc ttgctatgt
89281 agctgaact gactctgtaa gagtatcaca cccaccaaca actgactatg tcttttagct
89341 ctctatatcc ttttgcttaa attttcaagc aagataacct ggttggtcac tggccaggtt
89401 gatggactgc ctgtgtcagg ttcaagtgtc caccactggt ccaaaccatct gaactgaggg
89461 tcacatggta gaaacacac catccaagcc caagggtttg gcagggtctg gggtaaggtg
89521 atttcccaaa caagaaggta tcaacagaa agggattcaa aaatatcata tttttgaact
89581 ataattacta tgaagtacgt aaccatcaga aggaacctgc cacttaattt agttctatag
89641 tcaactacaa gattaatgat ggaaagtgtt ccaaacttca ctgatctcat taaatctggg
89701 tactcactga agagttattt gagatataaa tgtagaacta gttgtcagaa aatacttacc
89761 tgtgcataga aaaataaagg cactccagtt aggtacaga acagcactat cgagtctgaa
89821 tgctcacaat aggtccacat cacttgctat agctcttttg gattaaacac atctaaaaat
89881 caagggggaa aaataattgg tgttcatttt aatgtctgta tcaatggcgc taaggattca
89941 taggagaaaa gggcttgctc tctcttccac tgaggctacc ccaatcatat aaaggcaagt cgggcaggtg
90001 cccaccttcc tctcttacac tgaggctacc ccaatcatat aaaggcaagt cgggcaggtg
90061 gactgctctt aagaagccaa accaaggaca aagggtctct ggggcccagg acaatctggc
90121 atatttttca ccagaatagt cagaggctgt ctggccagaa gagaatctga actctagtca
90181 aaaaggaagc aaatatcatt gccagagaaa ctatgtaaac caccatcaag agtgaggggt
90241 gaggcaaggc tgtaaacagg aaagtgaagc agctcccagg tcagcagcca ggaggctcag
90301 tggacagaat aatactgagt gtgaagttag tcacggcaaa cagctctgaa gcgaggctcat
90361 gaacgttgtg gtgggtgtgg aagccctttt tatgtggggc ctggcatggc aaagtcaccg
90421 tgcagaatca gacccacccc atgcttaggc taccatctct ccccaaacag ccgggtgagg
90481 cagggtctgc cttatgggtt tgcttggtga gaggtgctg tggcctggg cattctgtga
90541 tggctcgtct cccgtggccc aggtgcccgg gctggctcca tggcttcaag gatccaagct
90601 ttctgtttct atgtaccaga atgagagagg tgggctgcca gcgggacccc agtgtgtaag
90661 ttagggatga gcatggatcg agggagctag aagcaggagg taggattctc aagtctact

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FIGURE 1 (continued)

SEQUENCE 1 (continued)

90721 atttgaaaaa gggctagaaa catggcttgc cggggacata agcagaaaaag tgtggagggtg
90781 ctgggcagga gagccagact gtgctttcta acagggtgac ttgtctttct aacagggtga
90841 ctgggtgaaaa tggactctta tgttttcatt ttgtgggaca ttggtatcaga tgcctttgt
90901 aacagtagct gttttctagc agtagagaca gcaagttccac ttggtatcaga tgcctttgt
90961 tctgagcaag tcgccggaat ggccctgtta tcacatgtct cctctgcccc aaactccacg
91021 aagtctgggg ccagctcta cagctggagg gggcctggga ataaagagcc taaaagggg
91081 ctaaaaaagc ctggccagga gatgaggtgc acagatttgc cctactccac cccctactcc
91141 cccctgattg agtagttctc atgctccgag ggaactggaa cctactccac cccctactcc
91201 gggaagtaga tccagtttgt tacttttagag cagctagctc cactgcttg gcaagactgt
91261 ttattggcta ttattagtta tgagtatcat ttgcatgggt gaaggccttc tgtactctca
91321 gttfgatgat gcctattttt actgtgtaga gataagttgg gtaaggaag gttgtgatgg
91381 ggtcagtagt caaggaggcc attagctatt taatacctt aacctcaat ggaatccagat
91441 taaactccac cctcttgacg gaaatcagct gatagatgag tcacattgga gaaatctggg
91501 ataaatgaaa cctaaagaac ttatgtatgc ccacaggag ctctagaact ttaaatactt
91561 tgcttgatat catctaaact tcacaattga agagaaggta tcctcagaac tctgtctctg
91621 ggatcttcaa catgtgtctt ctgtgttag aggccagtg agggagtggt atccaaaacc
91681 aaaggatctt cccaaacagg ggttcattta aggcctgaa gatggagggt atccaaaacc
91741 ctccaccttg tactggtgct gaaagaagggt ggagatgtgc catggcctgg aaggtagtag
91801 ctggccttgc acagtctgcc cgtaggctag cgatatggtt tggctctgtg tccccacca
91861 aatcttatct caaattgtaa tctcatgtg ctgtgtatag tgagaaagt ctcaaatg
91921 gaacacagg gtggtttccc ccatgtgtt ctgtgtatag tgagaaagt ctcaaatg
91981 ctgatggtt taaaagtgc cgtgtgtt tctgtatag tgagaaagt ctcaaatg
92041 aagatgtgct tctgcctccc gccatgctc taagtctct aaggcctccc cagccattgt
92101 gaactgggag tcaattaaac cctcttctt tataaattac gtagtattt tacagcagt
92161 acatgagccc ttaatacttg atcagtgcca cgatcaccag cagctctctt gctcttatt
92221 gtgagaagca tctcactagt gtgactat ctggacctt cccctctc cccatcaca
92281 gagaacactc agctaggccc caccatata agagagacc ctcaaaaaga tgcacaccc
92341 tgggaactgg aaaagaaaaa tgagtatttc cttacatgcc caagaagttt cccagcaga
92401 tacacaagtc aaacggccag gctgcactga cttacatgcc caagaagttt cccagcaga
92461 attaccatc atccagacct gtgcacttgc tgctctcaca ggtgtagacc tggatgtc
92521 caggtgagc agatctaaca tggcctgtgc tgctctcaca ggtgtagacc tggatgtc
92581 tcttgatgcc actgccatgg ccctcaagt caccatggg tacagcaag cctcttggc
92641 tcttcccag gatttctgt ctattgtga tgaggtgtga gttgtaata aggtgtggga
92701 tgatcagctg gcaattctta ggctgtgaca aaccagaagt gcaagagaat tcatgcccc
92761 tggggcagac tttgaccaag gggagaggga aggcagtga ggaattactt tccccagaa
92821 agactccctg aagtgcagtc acccatatg gcatctctc cacaagatca atcagctgta
92881 cacatggat ctctctgcat atgtcccaca agtcacccac atggcatctc tctgcatgtg
92941 tcccacaagt caccacatg gcattctct ccatatgtcc atatttact tctttcttg
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93061 cttcacttct ctgttcccc acttctgtt ccttgggtat gctttcacta atgaagcagc
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93361 ctactggat atctgggag agagcagcag agtactgtcc aagaaggcaa gactagagg
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93481 gagaatatga attggagcca gggagagaaa gccaaggtca cagcttaggt tggagtgtc
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93601 gccaatgcat gtccactgag aagcgtagg aggcctgctt tcatctgga tgggcagagt
93661 gtaagaccag gccagggggc taaaggaggt gaggcaggag aagaccctaa aagccactga
93721 ggaatcaaaa tgaggtgcga ggtgagccat gcacatgtgt gacattcctt cacatcttag
93781 acgcatctcc agcaccctat cttaagtta tttctctgt gcattttata ctccatttgg

FIGURE 1 (continued)

93961 gaaagcctct caagttaagt gttccttcag cttgcaaact ctctctctga aagcaataga
 94021 aagccccaga gggagaggaa atacccttac caacagcaga agtttagcagg gggaggctga
 94081 cttttctaac ttttagattcc ggctctctca tccccagct gtttggtatt gggcaaatca
 94141 cttaaccttt caaagtctca gatttctagt cagtagagta aaaatactaa caactagctg
 94201 actccaaaca actagttggg aggaatacta acaagcaaca atttgcaata gcatgaaata
 94261 cctgcgtgaa gctgcgagga ccatgcctga tgcagacgag gcaggagctc aatcaatgct
 94321 ggaacatcaa tagcaaatct cagcttccgt ctggaagctg gcagcagcag cagcagccag
 94381 atggcctctc ttggaagctg tacactgaag cctgtacttt ccaagttcaa ctggccccta
 94441 cttttgaaga tctctcttgg ataccaggaa tggagcttta tggacgatct cacaactagc
 94501 aattcacaat gagtaagctg tcatgtgtac tcttgtagat tcttggcgct ggggaggggg
 94561 tgcfacagag gccatgagat gctgggagag ggcacccaag aggtaaagat tggcatgtga
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 94681 cttcagcatc agaaagtact gtatgcagta accacaaaagt aaccagaaaag gggctggctt
 94741 ctagatactt ttacatttgg ttaaaataat cccagtcagg gcaccagggtg agtctcttca
 94801 agcgcagggc tgaagctaag ccaggttcat cccatgttcc acgcacaggg gcacgtgccc
 94861 cattagtcag ttttctctt actcctcagg ctgcccctca gccctctctg cctgcgcaca
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 94981 aaatcctgag gtgtgcttcc tcaactactgt ccctgagtct aagcaatcta ggtcaatgta
 95041 caactctctc aaggaacaaa ctcacatttt ataggagcct cgttgaatca gaatgactta
 95101 acctgaagag gtgattctaa gaatagaatc caagcccat agctggatga tagaaagata
 95161 tttgaaagat atcactttga gcaccctcaa atcaggccac actgggcaaa gttaggccta
 95221 gtctggttcg acaaatggtc agtcctgaca aatttcatca gatctgattt tctcttggg
 95281 tataaatcta gtgccataca gttaactcca catttaactt gttaatcaca gagagctttt
 95341 tctggtcaca aatgggtgac ttgtagcatt tcccagggtt gagcaagtgc tctgaagct
 95401 ctgccctgtc tagacacgta tctgaaatat ctaattaccc ctgtacattc tgtagagcac
 95461 acaaagccca acgtcattac ataaacatga agctccatat taatatattt gctcagtga
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 95581 ctatatgtg aataagaagt tccaagttgt gctatgatcc aaattatgaa agttaatta
 95641 tctagagagc aaacccaaaa agctgtgtgag tgaactgaat ccaaatcag aagaatctaa
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 95761 gcaagaaaact ttaagaaaga gatgaatccg tccacctccc tccctgtcag cgggtccctt
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 95881 gagggaaacag ggctgatagc cctggaccat ctactatgca ccacatacag tatttattcc
 95941 atttacctct tccaactacc tagtggggaa aattggaaaa tcattctcca cattgaacag
 96001 ataaggaaac taagcctcag agaaattgaa tgggtccaggg cccagaacta ataaaaaaaa
 96061 tgaagccaga ctataaagtt agggcctttt cacactaatt gtcttcagac agatgcttac
 96121 aagagttagt taaactcctt tttcgagggg gagcacctgg cagcagcatg gtaccataac
 96181 atgccccctc cacactctat ccggcatctg aaaatgtgat accacagagc agcctagtaa
 96241 ggggagcccc tctcaactca taaatctgag gcaagtgtat aaacaagaat ccctcaccag
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 96361 acctctgca tctactttcc ctgctggatg taagctcctc gggctggcac caggtcctcc
 96421 tcatctctgt gttcccatac ctagcacaga gccttgggtat aagatgcaca catggcaaag
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 96661 tccccacatg actttgtatg acaatggttt aagcaattaa tgaacctttg tttatgattt
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 96961 aaatgccc aa gcgtaataaa aagcctgcac tctgggccta ctgctgtgat attcactaca
 97021 agtctgacat agaggtttaa tttggtctgc tgtgaaaata gaactgaata ataactacag
 97081 tcttttgattg tggttagggt taattataga aacctattca agtacatata tattaataga
 97141 aagcctcaca aacatggcag aaaaccattt ctgttcataa gtatttacag ggaaagctct

FIGURE 1 (continued)

97201 ccttatttac tttattttaa taaatatttc aaatcagcaa accaaaaaag agcccccatc
 97261 tttcatgtga acattttcta atcatgtcat gttaatatatt tctcctttga tttccaatga
 97321 gctagcacia gctctggcct ctgcactaga tgggtggtgct gagtcactta tttagaatgg
 97381 aattatggat tatataaaga ctgacgagta caatagatgt tcaatgtggg ggttgtcgga
 97441 aacatcacct aattaaatat gctaaaaatat tttggctgaa aatttgtttt aaatcttcaa
 97501 attttttatac cttctgattt tctttgttgt tgttgttgtt gagacagggg cgcactctgt
 97561 caccagggct ggagtgcagt ggctcaatct tggctcacta caatctccac ctgctgggct
 97621 caagttatct tcccacctag cctcccaagt agctgggact acagatacgc accaccatgc
 97681 cgggctaatt ttttaatttt tttgtagaga tgaggttttg ccatgttgcc caagctgggc
 97741 ttgaactcct gagctcaagc aatcctccca cctcagcctc tccaaagtgc tgggattaca
 97801 ggcgtgagcc actgcgcccg gcaacttctg attttgtaat atagaaataa ctgtcttggc
 97861 caggcatggg ggctcaagcc tgtgatccca gcactttggg aggcgagga ggggtgatca
 97921 cgaggtcagg agatcgagac catcctgggc aacatggtgc aactctgtgt ctactaaaaa
 97981 tacaaaactt agctgggcat ggtgacgtgt gcctgtaatc ccagctactc aggagtctga
 98041 ggcaggagaa tcgcttgaac cagggagtcg gaggttgtag tgagccgaga tgggcccactg
 98101 cactccaacc tgggtgacaga gtgagactct gtctcaaaaa aaaataaata aataactgtc
 98161 tttggaagtc agacaaaata atgagcagcc tttatttctt tttaatctaa tttcaaatca
 98221 atgttttaac ttcaagtagg cagggcaaaa acacaatttc tctcaaatcg ggtaataaga
 98281 attaatgtaa ggggtgattg tcgaaatata aggagcataa aaatgaaaac acagagatat
 98341 ggactcagaa ttgtacttcc cttgtctaga cataaatttc actcctataa ttatcatttt
 98401 taatgtccaa aatcttcccc acataggcta tacttctttt tttttttttt ttttttgaga
 98461 tggaaatctg ctatcgccag gctggagtgc agtgggtgca tctcggtcca ctacaacctc
 98521 cccctcccgg gttcaaccat tctcctacct cagcatccca agtagctggg actataggca
 98581 cgcaccattg cgtccagcta atttttgtat ttttagtaga gacggggttt caccatgttg
 98641 gccaggatgg tctcgatctc ctcacctcgc aatctgcctg cctctgcctc ccaaagtgtc
 98701 gggattacag gtgtgagcca ctgcactcgg cctggctata ctttttaaat gtccaaacaa
 98761 ttaattaact taatctagtt ttttttatte gtaaaatgca tttcttaact gaattcaaca
 98821 gttaattaag ccagggtgact tcttcatgac tgaccctgta aaatcaattt tgcatttata
 98881 aattaccatg aacctattaa tgcacagtat aattactgta ttataactaa cttctacact
 98941 aaaacttgca atatggactg tgaagccagt ggagaggaaa atcttttagac gtagttaatt
 99001 gaataaatat ataaatttga agattcatta gggattttaa cattccgttt caaaactgaa
 99061 gccatcacat actattatct taattttatt caacctatag ttcataattt agtgctaaat
 99121 attaaaatgt tgtaatatag gctgattata tcatcttcat gtaaaatgaa acaccagact
 99181 ttgctgtcat acacactgga caatagggtga aaaaactcca acagcagagt aaaccaacaa
 99241 cattcctaaa cgatctaaag attctcacag cctccaaatt tgcagatata gaaacttaca
 99301 tataggccct cagttcttcc acaagctcca ccacctctct accagcactt gtaccagtg
 99361 ccccaccate cctcatgtca ctaaacggac tccctgtgct cctcttgatg gctgtccctt
 99421 ctacctgcac acaagagacc accttgtctt gctactcaa ggctcatcgt ttggcaatct
 99481 cccactctc ttttgcgtca ctgcttctcc cctctctact ggatttttcc catgagtata
 99541 caaaaagctg ctatttctca atattaagga aaagccctct tttgatcccg ttcctctctc
 99601 tgcccaccac tgcatttctc ttactttctt tacaataaaa tttcttaaaa taattgggtc
 99661 tactatcacc aaatccctct cctctctatt tctcttaaac tcaacccaaa cagggtttag
 99721 tccaccactc cgttaaaact gctcttgtct atcacacca tgccttgac atttctacag
 99781 cagctgttca ttctcagtct ccatcttact ggacctctca gcactgtata acacagctga
 99841 acactcttca tctggcaaca cctggataga gcatattata catttcataa ctcagcccta
 99901 tttgtcaatg taactttcta ctttgattta tccagcaatt tcattttttg gccagaact
 99961 gcaactttct caaaccattt tcccctttct tcattgtctt caccacacta gcatgtggcc
 100021 tgtttagagc tacttctcag aacaaaataa agtatctaaa acacagtgat cattactgtg
 100081 aaaatgggtga ggcatagaga atgaagcttc actgtcatgc ggacgccatg tctcctttcc
 100141 actagtacat gtgcactcta caccaagaca tcagtgttac ctaatgtatc ttactcccag
 100201 gatcctatga gcacaatgtc acaatatatt ggactaacat ggtgcccgtg gtgaaacctt
 100261 gcagacaaaa tggtaacaca gagccaaaaa gaagatagag gcttaaaagc aaggcaatga
 100321 agttattctg ctgcccctat gaggtacaag caaactgttt attctctgct tatgtgcctt
 100381 tagtaaaaaa agcatttggg ctgggtgagg tagctcacgc ctgtaatccc agcactttgg

97201
 97261
 97321
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 97441
 97501
 97561
 97621
 97681
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 97801
 97861
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 98161
 98221
 98281
 98341
 98401
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 98941
 99001
 99061
 99121
 99181
 99241
 99301
 99361
 99421
 99481
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 99601
 99661
 99721
 99781
 99841
 99901
 99961
 100021
 100081
 100141
 100201
 100261
 100321
 100381

FIGURE 1 (continued)

100441	gaagccgagg	cgggcggatc	acaagggtcag	aagattgaaa	ccatcctggc	caacatgggtg
100501	aaacccctc	tctactaaaa	atacaaaaat	tagctggagc	atgggtgggc	atgcctataa
100561	tcccagctac	ttgggaggct	gaggcaggag	aatcgcttga	accagggagt	cggaggttgc
100621	agtgaagctga	gatcatgcca	ctgcactcca	tcctggcgac	agagagagac	tctgtctcaa
100681	aaaaaaaaa	aatccatttg	ccagatagat	acatgcatac	caaagatcaa	ggcatgtatt
100741	gagttactag	aaactttatc	ctgaagagga	cacatgttcc	agtaatctct	ccatatttcc
100801	atttccccaa	ttactctagt	aagtacactc	tttcaaaggg	ccggatctag	caagttcttg
100861	accttagttc	catgtaaggg	atgttgggct	tatgaactga	cctgtctggg	aacaatcgga
100921	tgggggctat	gatttcctat	tgtaatagct	taaatcaagc	ctccatttgc	cagaagaccc
100981	agagtttttt	gggtgtaaaa	atcagggtggc	atagctaagc	acctatgcat	ttcagtcaca
101041	ggaatcccat	tatcagtagc	cattcccaaa	gattcctggg	catcctgatt	aaatacccat
101101	cctgctgcct	attatggaag	ccatgctgcc	taccacacct	gctttctgat	ggtaagggtgc
101161	tgetgcttaa	gctctattac	cccaggatcc	taatatccct	agtaagatta	gggagtccca
101221	tttcaacggg	accatacttc	acaagcatca	gagggtctaca	gagaacagcc	aaattttttt
101281	tttccaatga	agccagttgg	tccctcctca	ctgtatctct	taggctcttg	ttgaagagca
101341	tctcatcagg	accctctcaa	ggaaaacaat	tgggaatacag	ctctccatac	ccatgatata
101401	tccctcccaa	caatattatc	tccctaagtg	cttggacttc	ttgctcttat	agtagtacct
101461	gacagaattt	ctagcagctc	attggtgcc	cagtcaccag	tttggccaac	cagtcgaaga
101521	aacataaata	gatcaatgcc	atctatttat	gctagtacac	tgaattcaga	acctctgggt
101581	aagtgtctct	atagcaataa	attcaagcca	tctaaagtgg	tatttttctc	tatttgacct
101641	aaaactttca	aaatccatta	tcatacatat	tccccagaa	tattttccag	tatcaattgg
101701	gaaagtcttg	caacttttta	gcaccataag	ctatcacctc	ctacctttga	ctttgtcatt
101761	gggtgtctga	ggcattcttg	gatctaagtt	tagttacaca	tctgggagta	gggcagaagg
101821	agaactgacc	tacctttgta	atgcaactcc	ttcagatggc	agaaaattcc	atcaagacac
101881	gaatagcctc	atcagagaag	gtcacagggc	tgtcttaact	ggcaagggtg	gattgatgga
101941	cttttagggat	tgggggtgcc	ctgaattcac	caaatcctac	catatccctc	gttctagttc
102001	ccagagtccc	actctttctc	taaataccca	aaccaaatat	caaaaataagg	gacctagctg
102061	tgaattcaaa	tgacatcctt	agttgacaac	ttgcattact	gcatttgggt	tttgactttt
102121	taaccctgaa	agagttacaa	aataaatttg	taatatttat	atatagtaca	aaagagattc
102181	tttttagtgta	ctcgtagaaa	gtccctatct	ttcaatccat	ccttaggtaa	gaatatttag
102241	gaatctgagc	ttatattccc	tttctttaag	ctgtctgcca	ccgttacatg	cagccatcac
102301	accagcccag	tttttcaagt	cctcattcct	atgcaattgt	tgcatggaag	tcctgtcttg
102361	gttcccaaaa	ggttttcttt	caattagcaa	ctcattctag	aagttcacag	atgatttatt
102421	tgctaatttt	ccaccaaagt	ttatgggggtg	tcagtcttat	cccttatgca	gctggatttt
102481	tactacctt	cagctccaac	taaccagac	aaaccaatcc	cagcttcccc	caatttttct
102541	gtggttctat	ttcccggaac	cattcctggg	ttcaaactcc	ctatcaatct	aggttcttac
102601	ttgcaaataa	cagaaataac	aaaactaaga	ctggctgctt	taagcagaaa	ctgaattaat
102661	tgaacgatg	gtggatattc	ccacataatc	attgagaagg	ctatggaagg	tactggaaaa
102721	caatcaggaa	caacagtagg	ctacccaatc	acaacaaaaa	tcatgccaca	gaatttaagg
102781	ctgctccttc	cactggacca	ctcagctagc	tagctgagct	aactacacca	acatcagaag
102841	cagagacagg	atgcgactac	tggaaactgcc	accactgcc	cttcagtaaa	ctgatgtttc
102901	tatcatcact	gtacacattg	agtagaccat	caccattct	ctgtagtctg	tccattagta
102961	ccgagtgggt	attcctgata	ggctaggtct	agcacatgtc	ctgtagccaa	ggtggctgtg
103021	atactgaata	gtggaacttc	ctagattcaa	tgatgagagg	caagctctga	atcctgctaa
103081	gattcacaaa	ctggggaact	tcccaaacaa	gggaagagaa	atcatatgta	aggcaaccag
103141	gaaaaaaaa	aagacaaata	ccctgttagg	tatcttcttg	gtattttggg	gaagcatcat
103201	tacagaaaaa	gaagatgaat	ttttatgtga	gccaaagtgg	gaaaattttc	atgctaaggg
103261	aaaaacagaa	tgttgcaaaa	gtttcattta	tttgtaggtg	ttttgcatct	atggcagtta
103321	gtgatatttt	atagtgaata	aaaagaaagc	aagtaaagag	aaaagactcc	cttgagtttc
103381	accatgcaaa	ttagagaatc	tggaaataat	actcttgatc	cctcattctt	ttttctgccc
103441	tcaataaggc	tgattcagaa	aaagtattta	taatatctgt	taggatttcc	caagaatatt
103501	ttaaaattct	acaaggactg	acaagagaac	atttgctacc	aattagaatg	gatttgagca
103561	tcaagaaca	gaaaaattct	tataataacc	tgatttcaca	cttcccgtaa	agcatgttta
103621	gagtacatta	tagcaaagca	tgttaaagca	atctgcccct	caaaaagtgc	aactaagagg

FIGURE 1 (continued)

103681 agagccaatg gagcaacact ggagaaccag aaattcaatt ctaggagaat gacaggagat
 103741 atgtgagtggt tcagaggaat tagtgagtac tcagtgtatt tagacgcttt gccattggtg
 103801 aggagcaggg aagttctttc tccttggtta aaaagaggat ctggaagcta tagaaacaca
 103861 cggcgatttc tcactcttaag caggtatgta gtcttctctc ttgctacaat cttcagagta
 103921 ttatataagt attttaattt atccatttgt taacatttgg atatatgcat ccatttcact
 103981 gtgtgtgttt tgacaacatc tagaagacaa ataacttaac aaaatgtgct tagatgggccc
 104041 ataaggaaga gtgaaaaaga agaaagggga aaagaaggta ataacaagga ggcaaacagg
 104101 gaaccaaaga gactatacta ttttcctatt tcatgcacat gtgggtgctg gtgtgggtgc
 104161 atgtgtgtgt gcgcgtgtgt gtgtgcatgt gtgtgtgtgg tgggggtggt ttttgccatg
 104221 caaatttgct ccatttcaat agaaacttta aacttcaaaa ttcctttttt tcttattgct
 104281 aagtataaaa gctaataact atttaagacc cagtgtctta tattaagaaa aatataaagg
 104341 tatacattta gatttgaat gtagtctatg atatcgga tatatcatga aatcagaagt
 104401 aatactaaaa gcaataaaaag aaaacaaaga gaaaaaagag caaatggctt ttacatagag
 104461 gttaaaaaatt tactgaattc tcttggttcc caactaacac caaagaccaa agttcaccat
 104521 tttgcttttt tctgaggcta cagagatagt ggctattgcc aaagctagaa ggccgtgtggg
 104581 gagtccagag gaatttaaga gaaatgactg agcactggag gtgatgaagc agaagcagca
 104641 ttttccttgt tctctgact accttttttt tcaagcgttt ttaacatggc tcttgtaggt
 104701 cttctttgca agcccttgcc agcaagtga aagcaatcta ggaaaccaca agcttgggtct
 104761 gtaattgaaa caaacaattt tagttcaagg cgataaaaagc agtaacaacg aaaatggatt
 104821 cgaagtgggt atacaaaact ccacaattat gtttctttaa aaggctacag tcaggaacta
 104881 catacaatat attttgtata ggaactctgc aacacaagtg aatatgctag ggtttctcat
 104941 gagtccgtgt actctcagaa acctctctgc ttccaaagag ttctttggat tctaccataa
 105001 agtatacagc agtatatgga gagcattttt actgtttaaa atcacaatg caaataagaa
 105061 catactgtaa aggggtgagt atccagtagc acactctgga tacccaaaaa tgtacaacag
 105121 ggaagaacgg ggactatttt ttcataataa ttcttaacaa tctgtaaaag gaaaaaaatg
 105181 aaagcccaca aataagcaga gtaacttagt tataaaagtt tagtcatttc aaattcatct
 105241 caaaacaaca aatatagtat tttattccca ctagactgta agtctcattt gtacaagagc
 105301 caagtttgct tttgtattat tgtaatccta gcacctaaac gggtagccag caaagagaag
 105361 atgctcagta aatatttggt gatgaaataa ataaatactt aacgtgtaaa acaataatta
 105421 aatgaatact tgtgttaacc ccatgtatgt acataacata cactaaaaca cgcttaggac
 105481 cccaaataat gtcaattaac agggagaggg tgaaagggtg gaaaagagga gagatgaaag
 105541 cataaaatag acagagaatt gtcacttaat ctctggaaat tctgtgaagc agttatccat
 105601 tgttcatgac acctgaaaa ttctcatctt taacctatta gaatttcttc aactggaata
 105661 gccacagcag cctccagaga catcattttc tctgggcata attagtggtc tctccttgcc
 105721 tccattatcc tgataacatt caatgaggtc tcatctggct gcattatgtt tgggacctgt
 105781 ggtaatgtca cagaatcaga aagccttaca catgaaccat ctaattcaac ctcccttaatt
 105841 cactgatgag taatttccca gaggttctga gtgccttgcc ccgggtcgca gcggaagaa
 105901 aacttctttt gttccacaga gttctgggtt acgtgataaa agaagaactt cagctgaatt
 105961 aaattttaaag gagtttgagc aatgaataat tgcggaattg ggcagccccc agaatacag
 106021 cagattcaca aagactccag tgcaaccacg tggtagaaga agatttacag acaaaaaaaa
 106081 aaaaaaaatg gaaatgacat acagaaattg gaaggagagt acagaactgc cggttgggtta
 106141 caggtcagtg tatatgcctt atttgaacat cgtttgaaca ttgagcagtg tatgaaaggt
 106201 tgaaatctgg cctctggcca ctgggattgg ccaagacttg gctattgtta caggtgcata
 106261 ctactaaatt aggttttcaa tctcatctgc ctttaagcta gggtacagtt caccacaagc
 106321 actcaaatat aaaagtacag agtcccttctc aggccatatt tagtttgctt taacatactg
 106381 caaagaatac taacttatac atcccaaaaag gctcatggac agaaatgatt tgttactgaa
 106441 tataaagatc tattagacac ctggaaatct ttggagacaa agatgcttca aatagccata
 106501 gaagggaatg cataaggaag ctaaacacatt acaaatacaa aatttttcta tgcctaattc
 106561 aaactgaaaa aaaaaatggt tttttaattc ctgtcattct ccagagagag gaaagcaaaa
 106621 attgttctct acatctgagc tgtgtgtgca gcatattacc caccactaga gcacaaaagc
 106681 aaagttcagg cctctatttt agaatacaaa tgggtggctg gtgaccgtca atttcaccaa
 106741 tgggtataaaa cacacgactt ccttgatgac ctgtcatttg cctctcatcg catagtaacc
 106801 agctgtataa gtaagcaaaa aaatcctcga aactgtttat tgactataat taacagggtt
 106861 tatgggtattt gaaagcaaat aagcactatg acaaatataa taaaatatga tgcataaaaa

FIGURE 1 (continued)

106921 tgatgtaaaa cegacttgat gttctgactt tccagtga aa gtcgttttcc tggtttacct
 106981 gatgaaatgt ttcagagggt cattgcatga actatgagtc atagcttcaa gtctctgggt
 107041 gccactttac catttacatg atttaaggcc aaaatctgct ctcttcccta tgcataaaca
 107101 aaaccgcgca agactataac gtaagcctca ctacccatat cctagagctt tgcagcaacc
 107161 agcaaacgta aaaacggaaa acaccagagc tctaaacaga ttaccagctt gctgtgtaaa
 107221 tttacagcag tctataagcc ttcataatat tagtaatat tataaaatta ttgagcagtc
 107281 cttgattata gtgtattata gaaatgcaaa ttgcagtcac aagaatagga tgtgggttgg
 107341 gactcttgaa atcaaccttc attttttgac ctgacatttg atattttgct ataaagcctc
 107401 cagtttgaa gttctacttg tcaagagtta atgaaactga aatgagtcac agatactatc
 107461 tatgactcat attattataa tatcacaatt atataatact gcaagtattc atgggtgcaaa
 107521 aaagaatgcc ataggacaaa agaccttccc tgtagatcca gtcatacaaa tgaataaagc
 107581 cctaagcatg cttgctaatt ttaatgggac cgaagagtct taacgcaagt tccccctctc
 107641 ccacccctgt tttttattta attattttta acctgcttct ggtccaagaa accatttctc
 107701 agcctggagt gctaggcatt tactaatggc ctttccagca gggctgacat acatgagtgg
 107761 ctgtctccag ctactcaca gacttggggg cggctcttag cagcctgttt ctacctgagg
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 107881 ggggtaggaa tgcacacacg tgttttcagc tgcttcatat tcaggcctgc tgtgactcag
 107941 cttacaagat caaagttata aactcatttt tcatttctta ggggaaaatg tctcagtaaa
 108001 agtacgaaaa cctgaaacct ttttcaagg aagatacaaa acaaactttc aaagtttttt
 108061 tgtttgtttt gttttgtttg tctgttttgc taagtagtgg tcagtatcac aagatgacat
 108121 ccatgaagct ccactgggga ctctaactat atatataagt tgattcctat ggcaaaagtgt
 108181 ataaactcac tgggtattgt cattgtgttc atccaccatc attgagcata tctctaaaac
 108241 aatgttgtac tataattttt tcccaggagt tttagagaga aaataaaaatt cctctaattgg
 108301 agacagtttc ttgacacaat tgttcagtc cgaagcact tcattattag gtggtagcca
 108361 tacatttgaa tcaataaaatt cctattcaga ctctgccttc agagaaaatc ctgtagcagt
 108421 ataattaatc ctttgcacct gaggttaaaa atgtggccga ataataacat catttttagg
 108481 cactggcaga gcagaattaa gttcaataaaa aagtgggaaa gataaaagga aaaaaaggaa
 108541 gatccaacat atgaagtggc tgctatttta tttcaacatt gcttatatgt ttaggaaaac
 108601 attttaaaga tgagttaga agaatgaaat gatgtatcac aagaagtttg tttccttctt
 108661 acggtttcaa aactgaaatt gttagagaaa atgaaaaatg agtttttaag tgttgagagt
 108721 aattctagaa aatatttgtg cacacaaagc ctgactagac ctattccaaa tgatgttctt
 108781 atctggagtt tcccagctag gttaatgcgg gcattaccaa atcctgaggt acctaaaagg
 108841 agttgtcaga gaaaagataa aacaaaaata aaagatggag aaacaaataa tatagagtgt
 108901 tttctgatca gaaataagcc tgccaactac ccattagaga ctggttaata ctgtgagtc
 108961 tcaaattgcc tgaatttatt ctggagcttc tagatatatc tggggaaaat gagacaatgt
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 109081 tggctctttat ttctgagggt gcctgcaagt tgctacatcc ataacaaaag tgcctttgca
 109141 gtttactctt cagcatatat tatttcataa gcaaggtact caaattgaat ctgagcttca
 109201 aaacttagta tcaatcacat ttttcaacct tccagtttag ttttggtatg actggaaaat
 109261 tctgcaatgc taaggaagtg tgccaacct aaattaaaat aacatctgaa tgtaccctac
 109321 atagtttata agcctacaaa ggacctaacg tcatgaggtt tatgagtaac aaaccttggg
 109381 gacagtaatt ttcttagct gaaactctct atcacttaaa atattctgtc agacaccag
 109441 ttacactttg agatttctca tcaggctttt agtattttta aaactcaatt tctgaaattt
 109501 cgcctatagg ctcgatcctt ccaaacacac ctccctctg aaatttcatg ctcatcacag
 109561 ctgaatgect gcgactgtcc cgaacacttc cctcgcctac aggaaaatgc attaaactcc
 109621 agctgcccgg ccgagtgtgc catgtccgta tcaattaggg aagaccttcc gtttcccggg gacaggtcac
 109681 ttctgaggtt gattaatgac tgcaaatgag caccagtcaa ggcacctgca tgaaccaggc tgccatgcat
 109741 cccagacctt gtgttatcgc caccagtcaa ggcacctgca tgaaccaggc tgggtctcaa
 109801 cccctttcca gccattttat cagtcaaaac tgccaggatg attcttttca ggtgtgcatc
 109861 tgagacacga ggggagagac ctttgtttta attgcccag atttgtttta tgggtctcaa
 109921 gaactcatga gaacttctgc caaagtagtt tcaaattcag aagctgggac aaatgagcat
 109981 ctccaccatg gatgaggagc agtatctaga tacacaatgt tcaaaagcac ttttcagcac
 110041 tatgatttac aggcaagtac tgaaaaaaa aaacttagcc aagaggattt tttgaatttg
 110101 taactaaagg taaacctgtt ttatagctgg catctcattg ttcaggaaat tccaaggccg

FIGURE 1 (continued)

110161 gctgccatca aaggttgaga aaataaaatg atttaattca agttttcaaa ttgctgatgt
 110221 aaaatgggtat cattccattt ctcattccaca tataagttag ctgaacaatc atcaggcagt
 110281 tatagtcaaa agaaactttt cagaacaaag ctgtcattaa gagatataaa aacattttatc
 110341 caaagaagac ataacaatgg ccaacagctt tgtgaaaaag tgcataaaat cactaattat
 110401 tagagaaatg caaatcaaaa ccacaatgag atatcacctc atgcctgtta gtataactgt
 110461 tatcaaaaag acgagataac aagtattgat gagggcatgg agaaaagaga aactttctac
 110521 attcttagtg gaaatgtaga ttggtacagc cattgtggaa aacagtatga aggatcctaa
 110581 aggaattaaa aatagaacta ctgatacagt ggctgctgcc atcatgtcag ctgcagcagg
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 112081 aatcaccact taacttcata aaggtatcca catttccttg ttactgcag cattattcac
 112141 aatagtcaag atactgaaac aactgaaatg tctgttgat gatgaatga tacagaaact
 112201 gtgatataca cacatcacaga gaaatattat tttagcctta aaaaaggagat cctgccattt
 112261 gccacacgaa tgaactatga tgacattatg ctaagtgaat taaaccagac acagaaagaa
 112321 aaatactgca ttatttcatt tatatatgga atctaaaaaa agaaaaacaa agttgaatac
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 112501 aagatgaaca agtctggagg tctaacatac aacatgagga ctatagttag taatactgcc
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 113101 aaagacttct taagggtcaat tttccaaaag gtctatgttt aaatgttcta acaaaatcta
 113161 ctgcataagg acaaatagat attaaactgt tatattggga aaaatactgc atgacataga
 113221 atgtctgaaa tccaaaaata aattaatatc actacgctt gccctttaat caaaagtaag
 113281 ttagtcaact gtattttaat cacacaagaa tctagtataa catggacaca tgaaggggaa
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FIGURE 1 (continued)

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 113521 aaaagaaaaa aaaagaatct agtataaaat tgctaccaa aaaaaaaa agaaaaatta
 113581 gagaaacttg agattgtact ggcagcttga aattttctag aattctaaat tttattttta
 113641 gtctctacct taatataaga tattttgccaa atgtccatag aattgaaggt tttgtactac
 113701 tcaactaaca tatataatgt ttgcttaact tgggtttgat gtagaccagt ggttcacaa
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 113821 gtgattctca tctgccgtgg ttgggaacca ctgacacaga ccaatgcttt ccaagacccc
 113881 accttggttag gaaaagaaaa cacaagtata gcagttaaga acccaggagt aactcagaag
 113941 aagtaagtta aacagatttt taaaattata gtgatgtaaa taagatacta acattgggtgc
 114001 ccaaaagtaa aggtaggttg gaaatggtga aatgtgtgat gtaattggta gtttggggcc
 114061 tatcagggag acttcttggg aaagtcttaa ttataaactg aattataaag gtcaagagtc
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 114421 tgagtaccat aaacacctac acatttgact ggacacgatt tcagtcttct ttaagaggag
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 116521 accaaccaac caatttgttt tataatgtag ggtttcctaa gttacaaat cttaaatttc
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FIGURE 1 (continued)

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FIGURE 1 (continued)

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120361 tgcttgagct ggcattctct atttctcatc actttcatca accaaagttt attagggat
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FIGURE 1 (continued)

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 123961 acaaaataag aatgttgtac taagataaga tttttaagat agacatagca atactagct
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 124201 taccaatggt catagcagca ttattcataa tcgccaacaa gtggaaagaa tccaaacgtc
 124261 caagtgacta atgagtaaac aaaaatgtgtt atatccatac aatgaaatat tatttggcaa
 124321 taaaaaggaa tgaagtacta atacatgcta cagaactgat gaactttgaa aatattatgt
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 124561 tagtgggtgaa ggatgtaccc tctgtgagta cagtataaaa cactgggctg gacgccgtgg
 124621 ctcacacctg taatcccagc actttgggag gctgaggctg gcggatcaag aggtcaggag
 124681 atcgagacca tcttggttaa catggtgaaa ccccgctctc actaaaaata cgaaaaatta
 124741 gccaggcgtg gtggcggggc cctgtagtcg cagctactca ggaggctgag gcaggagaat
 124801 ggcgtgaacc caggaggcgg agcttgagct cagccgagat cgtgccactg cactccagcc
 124861 tgagtgcagc agcaagactc ctctcctaaa aaaaaaaaaa cactgaattg cacacttttt
 124921 aaaaagtga cttcactgta tttgaattat atctcaataa agctgttatt ttaaaaaaaa
 124981 aaaaaaaaaa caatggcttt tcaaactcct cctgaacttc cttggcctct ttttgctgt
 125041 ttttatttgt gtctggttaa tttcctcata tataataaat aaaaataatt acaggaaata
 125101 atatgagaga tttgtcagtg tgtatatcac tataacatgt tcattctgga atttttattg
 125161 caattttgct tctaaaattg gaacgtaata atgtagaaaa ttcagtgtca ttgggtactg
 125221 ttatgacagc aagaacttct gaaatgtttt ctaaaatagc agtatctcta agtccaagga
 125281 tcattttcaa atatgaaata aacacaagac ttagtgtgac ttctttttta cttctatccc
 125341 ttctcccatc ctcacaaaac cagtaccat ccatgggaaa acagaaaaat ggccaacctc
 125401 caactaactc caggggcaag aatgaccagc atgcctagg attgagagag gaaagagaga
 125461 aggaggggcc tgtattttct ccttgacaac gtagtaagta aaacgtagca cactgttgcc
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 125701 cattcaaata aggetcaaga aaggttagct gaattgaatt atcagaaaag ggtaggggga
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 125821 tcaatttctt gattataaat cttacaatta gatttcttca atcagcaagt aacttttggc
 125881 agatttcagt aacattaatg cactttctag cttaaatgaa aaatggctga taaaagtcca
 125941 aaagataaag tacataagta agaacttact tgggttaaac aaaagattat ttagagtaac
 126001 atttttat ttttagaaaa gaaaactgga aattagtatt atctaaattt ttaatatctt
 126061 catgctaaag tttagtgaat tttcttatgt gaagtagaca ccttaattct aaagcaataa
 126121 ttggctgggc atgggtggct acacctgtga ttttcccagc actttgggag gttgaggcag
 126181 gtggattacc tgaggtcagg agttcgagat cagcctgggc aaaatggtga aaccccatct
 126241 ctactaaaac tataaaaatt agttggaaat ggtggcgac gcctgtaatc caagctactc
 126301 aggaggccga ggcagaagaa tcacttgaac ccagggatgg aggtttcagt gagccaagat

FIGURE 1 (continued)

126361 cacaccactg cactccagcc tgagcaacag agagagactg cgtctccaat aaaataaata
126421 aataaatcaa taaataaatg caataattag aaaattaacc atttgaacag cttttgacgt
126481 ctctagtggg aaaacacact agattgttgg tatgcaaact agggacttca aaatattaag
126541 gagctacata tttccctggc aattttttct cccattttatt ttcttaacaa actctatttc
126601 aatatataga acagggttaa cttctactta cgtcacatcc aaatgatgag atggctttct
126661 gtatacaata gatctggaca gataattggg aagcagagca tctgctacaa attttgactc
126721 atctgagcct agcttagcta atgtaaaagt ttaccactta aattaatccc agattatttt
126781 gtacaatctt attacttggg tcatTTTTTTa tactaggacc taataacatg attacattaa
126841 gaaaaaatat gaattatatg aaaatttagaa aataattcca aatggatttg gttcattcac
126901 cttgaattca aagatgacca ggtatttttc tggacagtac gagggttggg tatagattgc
126961 caaaatgctg aaaatatgac aatctagtcc caaagcacta tgggtttggg tatagattgc
127021 agaactaatt aacttttatta cttattttct tccctcaagt catacaccag agtaaaactg
127081 cctctataag agatacagct tcctaaccac acatattaat ttttgggtca tatcaagtag
127141 agttctgccc agctggaagt cactcttttt ttccactaag actgcatggt ttttaacatta
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127261 ttaacacctt ctaatacagc ataaacattg taaagggtat attcttggac aggcagaat
127321 gtctttgaaa aattattaga tccccccag aagagaacta taacacaaat gaatgagta
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127441 aaaagacttc ttttctaatt ttcaactgct ttcacctctc tttctggcta tagttggagt
127501 gggggaaagg gctgtgagga ggggaggaag atcattatc aaaggcacc aagcaaaaaa
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127621 ctatagtgtc catacctaaa ataatgtaa tcaagcccc caaaattata aggtttttaa
127681 gtttagctac aagtataaag ttttagagaag ttgaaaaccc agcaccacaga agagtctttt
127741 agaagagttc ttttatagtt ccattatcta cccaaaaaag gaggcggaag gatttagcag
127801 gtaagatgtt ttgaagtaac agatgttctg gaaattaagg atatgtagtc acaggccctg
127861 caactctcaa ttaatttgca caatgttctc caatgaaaaa taatgaggtg gatacattaa
127921 tcagcagtga ggtcttctct agccttccac actcaacagt actgagaaat caaatcgact
127981 tccttctgcc tcagctggat agggatgatt atcttactat ccaactag actgtaagggt
128041 taagaaaaac ccactaagtc actgaaaaaa aaaaaaagac tataattaat gctttgtatt
128101 aacttttaaa gaaagtccat taatttggtg acagaatgca agtgtagaact ctattaaata
128161 gcactcagga aaggcaaaaca attcacttct aattgcatat ataaacgaat ataattgtat
128221 aaaataagag accataaatc aaaatacagc taaagcatta ctgtcctgta tattctatgc
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128581 aacccactga cacttgtgta tatgttttca acaaaatcta cagattcgcc aacgttgaat
128641 ttctaagtac accacaaata attgatata caagggaaga aatgtactcc ccagagaaca
128701 taagatataa atataaatag tatataaatc ttaattgtat ctaaacagat acaataaacc
128761 tctatatctg tctatgtgta ttcaaatcta cggtaaataat atccaactca ataccagtc
128821 cgatttaatt ccaacatgga gtaaaaggaa ggtaatgaaa attcccttag acctctatgg
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128941 gccttataat ataagggttag gaatgaaaat ggactaaacc attttcattg aaggtaactt
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129061 cagaattaag ttccaggata aaatactgtc caaggggaga taaaaaagga aatagacaaa
129121 agtctcaaaag ggacaactag gtttttataa tgtttcttac aggcattatt cagtatggt
129181 atgctctatt taaactctac ttcacggca agaaaagaat ttcacgcaga tagatattgt
129241 gcaatggaat gtaacaaagc attgtctcaa ggtattgtt attaatctt gtactgatt
129301 ttggatccat tcctaattgg aactaaaagc tttttgaatt gaaaacatta aagggtggtt
129361 aaaagaacaa aatgcagaga gcagtacat cgcagcata accagccagg gtgggtggg
129421 gaagggtctt cacatttaga cagcactggc aagaaagcag gtttttttaa tactactaaa
129481 attatgttag ttttcaacaa ctaaaatat tctgcaatag ctgtttcacc taaggtaatt
129541 tattctactt agaaaagcaa ctaatgaatt gataagtcaa ttgaaaagt agtgagtc

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FIGURE 1 (continued)

129601 atttttaagt tcaaattgca aaattcttta tgcttgaaaa gaattagaat taagaaatct
 129661 gctaaaattt tggctaaatg agcacatttt aagggggttt taaaagaaaa atttaagtct
 129721 cctcagacct atataaaatt ggtctagaat ccattccatt atcatattta ttacagcca
 129781 agccaaagct cattccttta ggactacagc aaaatccagc aatcaacctg tagccaagga
 129841 gctgaatatt catagagaaa aatcacataa gcaagcgaat gtattttatt ttagattcat
 129901 tatcgccacc ccaataacct ctcttctctc cttcaaccac cccaacacac acacctgacc
 129961 ccaatctcag atgatgacct tacatttcac tgggaaaaca aaacctttta ggtaagagct
 130021 cccccaatcc ccaccatcaa gttacaaacc ttggagcatc catttccagt gtccctttgc
 130081 cccctectat taccagggag agatgtccct ctctccaaac aataactaagc tcccctacat
 130141 gtgctgctga ccttctctca agcacaaaag acccatccta gggaagaaag tgcagggatg
 130201 cctggaagtg atctccctcc tctctaactg taaaaatact acctaatctt ttaatgtagc
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 130621 atttatcggt tattagatcc taaatcaatg cctgaatgag ctcaagagag tttctttaac
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 130741 ttcaaaagaa atatgtaaga taaaatacct atttaataaa taacaaaata ttacttttct
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 130921 acagactaag gcagtggcaa agtcaattaa ctactcttta tcttaccac accaaaaaga
 130981 gctttcattt cccaccaacc cacatccata gatttcaaga tttttattat tatggaagta
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 131101 aagtgcaggg gtgggtggag ctattaaaag aacaaacagg ttttctcttg ggctatacca
 131161 cagagagctg aacaaaagcc acttgaagaa aactccctca gactacaaga gctgcttttc
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 131281 tggattctta tatttccag agagattata ttcacaatgt ggaaagtga actgttagaa
 131341 gaatctcact tacttattaa cccagtaaa cttaaaaatt aaataaaaata cggcatcagc
 131401 aatttggagc ctctgggttaa taataaaggg tataaacagt gaagcaagaa actctgcgtt
 131461 aatcaactat gtgatctgt cattctgtgt ttccttaaag tgaaaatggt gaactatgct
 131521 gaaaaacaaa ataagataaa cctttgtgtg tgactaaaaa tctagccagc cgactttctg
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 131701 ataaagttat tctattatg atttcaatat tgttatttgc atgaatgatt atgaactatt
 131761 ttttcatcca ttcgttcagg cacttattta taggaagtac tagaatgtca cagaggtaat
 131821 aactaaactc ccaattgttt aaattttttc atagtgaaaa taaatattca tatggaaagc
 131881 ttcataaagt aaatagtctt aaaataaaac agaatagaaa aataaccagt taaatcacac
 131941 tatcaaagtg aatgaaccac aattttttta tttttcaaac tatacagagt cctcattttt
 132001 cagctgctcc acatctaagt gttctcgtgt tttcttagcg gcagcactga acttcagagt
 132061 caatcaagtc caatttttag gatgcctttg gaattgaagt cttaagacca caactaacia
 132121 aaagcaagta ctttgcctct tcacagcagg atgcagattc ctttttctaa gcagaattcc
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 132661 agaatttaag tgtagacatc agagtaaagg cctgggtctt agtctctggt agcacatgta
 132721 gagcttgact taagtgggat ttacaccggg ctctgtctat ccttagatgc cccagaggat
 132781 gagatggaaa gcataggctt atcagaagag gattgtgtga cctttttaag ccttttattc

FIGURE 1 (continued)

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132841 aaaaagactt atcagatccc tactctgtgt caggaccgtg cttggcaact gtaagccgaa
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132961 aaaggaacac attattacct cccatgagca gttctaggag gcagtcttag cgggagagtg
133021 agagagagag acccaatcta ttccagggat cagggaaagc ttcccaaaag ggagaaatgt
133081 ttacaccaag tggaagttaa ccaggcataa aaggaaaggg aaaggacatt ccaaaaattag
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133261 tgggtgggtgc taggccacag ttcattgtcta gtctttcagg ctttattaaa gtccctgagaa
133321 gcagagaata acatgaccag aatgtctgtg agtggaagaa cgggggttgaa aataaaccta
133381 cagcagacag gaggaaaaca gtggctggcc tattgcagta aacttaggat aataatggta
133441 gcctaaacca agaggggtggc aatggaaaag agagaagtgg gccgttttta atgatctcag
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133681 agtggaccca ccttgcagaa gcaatttctc cagaacaaaa atctgtcaac tcatatctta
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133861 tgggtattta agaaaattag cctatatgtt gtttctgtct atgaacacca ggtgccatac
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134701 aagtaatgat tcttaataaa catcctgtac cccaaattct atcttggcag tgcttctaaa
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135961 ctggaatggt gaacctact tatttcatag gcagaaacag ctgccaggtt ttggtcaact
136021 gctgtcttac taagactgcc aaatggaaa cccaataggg ctgccatgtt atactgcatg

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FIGURE 1 (continued)

136081 tcattcaaatt gttaccaatc acttaacatt cattgtaaat actgagtgtt taggaatgcc
 136141 acagaaattc tggagagtca caaacttcta aagggtgctg aagcacttac gcaacatttt
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 136621 gttttccatc actcccaaac aatttttaaac agaaaatttt attattttat ccttttagttc
 136681 attatgatga attaaatact tgataaaaagg agaaaagtaa actatctttt tatgttgatt
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 137221 aaataaccaa atagccccc aagtttccag aacctgttgc ctgagcaggg agctagcctt
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 137461 tcctgatttt gccaatctact aattgtatga cactgggcta gttgctgaat ctgtccaagc
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 137821 gtaagaatat tttggcactg cggttcttta taacacttag gaattaaagc aattggcacc
 137881 ttgagtacac tcaagggaaa atcagatcag tggcttgaaa gtgcatccag tatacttgga
 137941 aatgcaaaaa ttaattatat ttgatggcga tataataata atagtaataa agatacactt
 138001 taacacaaca acctcagagg taatatcaca cagatttttc agataactca cggtagttat
 138061 taaaattttc gaagaccaca tagctggtaa ggagaagagc caaaattaga atctaagttc
 138121 gtttcattcc aaatgttcat aatcactgta atctgttcca agtgcctcc caacaagcta
 138181 gaagcctcat acaaaaccac tacatgatgg aatcagatgg atgagatggg gtaggatgga
 138241 aactcatggc atgctcaata cagaactatg tggcctaaaa aaccagaaga aatggtcagg
 138301 ccttctacag aacattccgc acaaagtgtc aatctaaaat gagggccatt aatcatctgg
 138361 taatttttaag atcaaacac tgagaccaca ggataatcac ggaacttgte agtctagaa
 138421 cgtatggact ctaacgcata tgtcagtcac gacatcaagt ctcaacca aaaactgccc
 138481 aaaagggtttc tgaaaaagag aaactttaag aataacaatg aagaacaaat acggacattt
 138541 tttaaaattc tctttttact aacctaggag taaacgcaac acagtctcat aaaagcaaat
 138601 atcaaatttc cttttttaac taaaaagtta gattaatcat aatccttagt tctgaacaca
 138661 tatgcttttt gtttaagagc cagggtctca cttggtcatc caggctagaa tacagtgacc
 138721 caatcatagc tcaactgcagc ctcaaactcc tgggtcaaa gaatcctcct gcctcagcct
 138781 cccaagtagc tgggaccaca ggcacacgcc accacacctg gttatttttt tttatttctg
 138841 gtagagacga ggtctcgctt tgtttgctca gccttgctc agactcccg cctcaagcaa
 138901 tctcctgcc acagcctccc aaagcactgg gattacgaag atgagccatt gagcctggct
 138961 cgtaacacat acatttatct ctcttaatg gtccatgcat ggctgcctt tatatttaat
 139021 catttatatt ttatgcatgt atttgatgt tttagataat acgatacacc ctcatgaacc
 139081 caccacctga cacaagaact agaactataa aaatttacac ctatcaagt tttctcttca
 139141 acccactgc attaaactgct atcatgaata ataataattg gcttattttt ctatatatat
 139201 atcatatat ttgtatatat cttaaaagca ttttttttag tttagtttta attttaacac
 139261 attaaaagtt taaaggagaa aaaggatgtc atataaatag attcataaaa gcatttaata

FIGURE 1 (continued)

139321	aaattttata	taaatccctg	atataaaactt	tagtaaatta	agtatagaga	agggaaacatc
139381	cttaaccgga	cccgatttaa	tttttttttt	tttttctgag	acagagtctc	gctctgtcgc
139441	ccaggctgga	gtgcagtggc	gcgatctcgg	ctcactgcaa	gctccgcctc	ccgggttcat
139501	gccattctcc	tgccctcagc	taccaagtag	ctgggactac	aggcacccac	caccacaccc
139561	agctaatttt	ttgtagtttt	agtagagaca	gggtttcacc	gtgttagcca	ggatgggtctt
139621	gatctcctga	ccttgtgata	cgcccgcctc	ggcctcccaa	agtgttagga	ttacaggcgt
139681	gagccactgc	atccggccaa	aattaagtag	aattctagtc	aaaatcgtac	atgggtcggt
139741	catggaactt	gagaaggtag	ttttaaaatt	cacatggtaa	aacagccaag	atacttttga
139801	aaacgaaaag	caaggagggg	acctgcaccc	tatcagatat	cagcatttct	tacaaggcta
139861	agacaatcta	actctggaca	gggagagaca	tattgacctt	tggagttaga	gagggcccag
139921	aaapaaaaaa	atcccacaca	tatgcataac	tttaatatat	gacagagatg	gtgagtttat
139981	gtgaataaaa	atgaaaactg	aacctccatt	ttacattaca	caaaaattaa	ctccagatgg
140041	attaaggact	taaaatatca	gaagcatatc	tttaaaatgt	ttagtggaaa	atatgtttta
140101	aggacttctt	tctgaatctg	ataaaaaagt	atttttttaa	gacacaaaag	taccatttat
140161	aaaacaagat	acagtattag	taaatttgac	tctttttaa	acaaggacat	acgaccatca
140221	aaagtcacct	tataaaaagt	ggaaaaaagc	tacaaaactg	gagaggatag	ctcccatctg
140281	tataaccacc	aaaagattag	aatcaagaat	atataaagaa	cttctataat	aacaagaaaa
140341	actcagacaa	ttcaaaaaaa	actgggcaaa	agacatgaat	aggctttttt	tttaaagggg
140401	gggtggaata	tatttagacat	aagtatttga	ataaatattt	gacctcatta	gtgatcaggg
140461	aaatgcacat	caattataaa	ctcacataat	tggcaaaaat	ttttaagtctg	gatagtagcc
140521	agtgtttcaa	gagaatatgg	atgaaccaga	tttctttaa	attgctggta	ggaatgtaaa
140581	ctggtacaa	tactttggaa	ggcattattg	cattatctta	taacattcag	atactctata
140641	tctgtatata	tacattcctc	tgtgccattc	ctctgtgaaa	tgccattcct	ctgtgaaaac
140701	tagaggaaat	tttgtacatg	tagagcagat	aacatgtaca	agaatgttta	tcacagtagc
140761	attcataacg	aaaatctgaa	aataacccaa	atgtctat	gagaaaatgc	agaaaataat
140821	ttaggtacat	tctcactatg	gaatgttata	cagtcctaaa	aaaggggtgca	ccactgcata
140881	caaaaatata	gatagatctt	ggcagcataa	tacagactga	aaaattaa	cctgaaagat
140941	gaccaatacc	aagatactct	tttatcaaat	ataaaactta	atataaaatg	taaggatata
141001	ttaaaccagg	gatcaacgta	acaatcaaac	tgaatccct	acctcaataa	aaactgatct
141061	taaaagtaca	aacctccaga	atttccatgg	tgtcatatgc	agtctccttc	acttatttca
141121	tgtgataaag	ttctgcattt	catcaagatg	aagtgtgagatg	caaataagata	aaaccacaac
141181	tgtacagcag	tagatattac	acctctcttc	attattttatt	aggaatagtt	tgccctgtca
141241	cttaagaatg	aatatccctag	cgctttggaa	ggctgaggca	gggtggattgc	ctgagctcag
141301	gagttcgaga	ccagcctggg	ctacacggtg	aaacctgtc	tctactaaaa	atacaaaaaa
141361	aaaaaaaaat	agccgtgcgt	ggcagtgtgt	gcctgtagtt	ccagctactt	gaaaggctga
141421	ggcagaagaa	tggcgtgaac	ccggaaggcg	gaggttgacg	tgagccaaaa	tcgcgccact
141481	gcacttcagc	ctgggtgaca	gagtgagact	ccatctcaaa	aaaaaaaaaa	aaaatgaata
141541	tcatacctca	tacactcagt	cataaagagt	cttgagaaac	tagtggacca	gaaaaatact
141601	agggtgtatta	tcctgaaaaa	gcacactctg	gaaaacagct	cagtcacatc	attcatcttg
141661	ccacaatata	gtgtccatct	gtgaccattt	ttgagtgaat	aaggtcatac	atttgcttaa
141721	agataatttt	tgggcccagt	aaggaaatct	ctttagctcc	taaattagaa	gccagaggag
141781	cctggcagcc	ttcacatgtg	agaaacctat	tgagcagtga	atagaataat	tattcctgaa
141841	gactgtgtgc	tctggatata	ttcctgaaga	ctgtgtgttc	acggagcagc	tcagtgtctc
141901	gtgaaaggca	catttgctt	cccaactctc	agaatatact	aaaaatgagt	tttttccctt
141961	cctaaatgtc	attagcatat	tctgataata	aacaactgtc	tttaatagcc	agatatttag
142021	tatagtagtt	atacatatat	agagatgtag	ccactcagcc	tattgtcctg	aaaactggaa
142081	aatctgctct	tcctgtccta	aatattaagg	aagtacatag	cagatgctgg	agaatctgta
142141	aaattaaatg	taacaggatt	accatgagtt	ttcacttact	ataggatttt	agattccatt
142201	cttacatgac	ttatccacac	tgataaagaa	tacgcataaa	attagtgtct	tttctgcctt
142261	tgataaagaa	caaaatagtg	gtaaagatag	tttaaacaa	atgagttgag	ttcttaatta
142321	actgttgcaa	gtgtcagagt	agtgttctat	ttgtgagtgg	cagaaagtat	caagaacta
142381	ggagagggca	gttaaggaag	ccccataaa	actatggaaa	tgagaatatg	gtacaaaggt
142441	agacaaattc	cttgttacag	aaataaggat	atcgaaatga	attaggtttt	ttggatcaat
142501	aatgtcaaaa	accattacgt	atgtgattca	ttaaatgcaa	taaccaaaa	aaaaatattt

FIGURE 1 (continued)

142561 ttctttttcag aaaagtattc catgatgaaa tcagtagatt tcaaaagaac aaacatacac
142621 attccaaaac cacttgcatg tattgacaat gttggtgaca tatgaattca tatgagcttt
142681 ctggagagaa caggcttgag cttccccata tatgtttctg tcttcccaac tgggctgtga
142741 gttaagaaca gggactgtct tattccttgt tgtatcccaa ggggtgtgatt caattctggt
142801 gcttagaaaa tattttttga ctgaatgaat gaacttggtta ttatatacca agcactttta
142861 aaattatattt cacacccctt taaaccagta tttctacccc taggaattta tctgaaggaa
142921 ataaccagag acacaaagac acatatacag gatgtttgtt agagtattat atctaatagc
142981 acaaaatcta aatgttcaat cacagagaaa tgataaaatg tcataaatca cacaaggaac
143041 gtagtactag gcagttattt aaaagtgtgt ttacgaccgg gcgtggtggc ccagcacttt
143101 gggaggccga ggcaggcaga tcacgaggtc aagagatgga gaccatcctg gccaacatgg
143161 tgaaaccccg tgcgtactaa aaatacaaaa attggctggg tgtggtgggtg tatgcctgta
143221 gtcccagtta ctgaggaggg tgaggcagga gaatcacttg aaccagggag ttggagggtg
143281 ccgtgagcca agatcgacc actgcactac agcctagtga cagagcgaga attcgtctca
143341 aaaaaaaaaa aaagtctgtt tacgaagtat aattattgac aaggaaaatt ttcataatgt
143401 aacataatat gtccagtata tttaatacat atatacacct agatttctaat gtattatata
143461 catatgcatg agtatattta tatctgtagg aaaaaaagtg tgaaaatata ccaaatgttt
143521 aacatatttt gctaataaat agaacttagc tgatatactt taaaatttac aaaagtaact
143581 aaaattttat taaaaatgaa atataataaa ttttaattaa taaacatact ccatttgcgt
143641 atgtgctcta tctagaaact atccgacaac caaaaaaaag catttgatat ttagtcttat
143701 aattcagaaa tgagaccttc ataaggaaaa ggaaaataca caaatatggt ttaaccacca
143761 caagagcaac tccaccaaaa tgagcacata ctttaaaaaat agtcatgcaa gtaaaatata
143821 tcattggaaa ggtaaatatt agtgaatatt ttattggaaa tataaaaaaca ttcgtattta
143881 gagtaatgta atcgggaaac atacctaca aaaatattct aaaatatttt aaaaataat
143941 aactagaaa acaaatacag ttgtttccaa attttacttt ctaaaaataa aatcctacta
144001 ctaattctta acaaggggtat ggtattttcc ttttttaatg ctgttttacg ttactactcc
144061 ctaaaagtcaa taactgtatc agaattctgg gctcatctga tgaaaacatt ccactccctat
144121 tggaaaacaa tctgaaatca catagcctca gtctgcttcc ctgtatagtc catacaaacc
144181 aaaccacaaa agctactaaa attaaacagt gtctgcttcc ctgtatagtc catacaaacc
144241 aggttttttag gttttttta tctttgggta ttgttttgtt attgttgta tcttttttct
144301 ttaatccagg gaaagtccct actacaaagg tctcaaaaaca gaattgaaaa gaattgattct
144361 tgtctgggtg ttcagctatc catatacaca ggttcattct tcagcagagt ttactaagct
144421 gtttagtgtc tttgaatcag tttttctctt tgtaatttaa aacaagctaa atttgctttt
144481 tatgaattct taggaagttc tttctcaga taacctatat taaaacttta agaaagatgg
144541 agaattggtc agaataatta ttacagtagc caagaagtcc aaaaacgcta acggctaagg
144601 aataaggaa cctgaatata ttaaaatcta gctttacaag ccaaagacat caagacaaat
144661 attgtaaggc cttgtgcatt tgtctgacct gttgcgcca caaactgaca ggggaagaga
144721 atacccaaat tctggtcata ggctcagcta ctattcagcc gagacaacct tggaaatctaa
144781 cttaaaaata agagttctgg gccaggatg gtggctcgcg cctgtcatcc cagcattttg
144841 ggaggctgag gtgggaagat catttgagcc aaggagcttg aggttacagt gagctatgat
144901 caggccactg cactctggcc tgggcagcag aatgaaaacc tgtctctgaa aacaaaataa
144961 aacaaaaaac aaaaatcttc atgtaaagat aacctgatca aacaggagaa tttactacta
145021 tatgcaagaa tattgcagtt actgacagga atatttatgc taaagcattt taatgattat
145081 tcaatgcaaa aaaagtatta attgattaag gggggaaaac aacattatca caaacaacgt
145141 catcacaggc atctccctag ctacataatt ttccacttgt cacaatgca aattttaaca
145201 ttactatttg aaatagccac aaggtacca atatatatt tatagattat aaaccttcag
145261 ctttttcagg cctgaaactt agcattcatt tgaacgttta taaccacgta actgaagtct
145321 atacaacatt aatctgaagt agtgaactct tgagcaagct gccagtata gaactgggga aatgcaaaga
145381 tcagtgaaga aagtgcacct cttaaaacat ggcagtata tagcaagact ctgtctcaaa
145441 ataggcctga aattctagac catggggaga tcttaaaaca acatctagca atcactatct
145501 aaaaataata ataattgtaag aaaaaaaatt ctattaataa aagtattctga taaatgcata
145561 caaaaaccaa caaaagatga gaatataaac aagtttataa agtatctga acagacaatg
145621 gataatagag caggaaaccag ttcttagagt gtatttatc agagcatctg tttgacatg
145681 ctatagatgg ggtggcagg actgtgagtt gcctccaat gtctgttttc tttgacatg
145741 gtatcataat ttctagttgc ccatacagtc acttaactca agactcattt ccagccttc

FIGURE 1 (continued)

145801 cttgctgctg tgtatggtca catgactaag atttggccaa tgggatgtga gtatacatat
 145861 tacgcacaac ttctcagtca tgatctttgc cctagttaga atctgattga aatgggtcaga
 145921 gccatcttag gccatgaaat agtagataca tgagcatcaa ggtacaagga gcctgggtcc
 145981 ttggtaactg tagaaccaca gtcaggcctg gaccttcatt ctagccatgt agatagtagg
 146041 gaaataaata tctatcttgt ttgtaccatg attacttgag ttttctctat aaataacaat
 146101 tattagtcaa aataatacaa tagctaacat ttatttggca tttactacat accagacact
 146161 gtgctaagag ctttatataa actctctcat ttgtcaaga cagtaacagt ttcaagcaat
 146221 tattcctatc ctcagaaagc caggccttat ggagaaaaga taactttctc agagtcatte
 146281 agctactagg gcctgaacat aggcctatct gatgctgatg ccatggtcag gctgtgagcc
 146341 acagccacat acacaataaa ttccatttgc ctgggatgga gaccagccac gacccccctc
 146401 tacaaagcat tccaagaacg ttgagtttta tgtccccag atttaactgg catatcttca
 146461 ggactgtgaa gaagaaaaaa aaaattgcat catagcacag aaatgaagaa agagttatac
 146521 agccaagatt cacaggggaa aaagaaatca ttcccactgc cactccaata caatgcaact
 146581 taaagtcatg ccataaagtt atacaccaa aggtttatag ttttttggct ttgggttttt
 146641 gttttttgtt ttttttcagc aggaggagat tatagaggac ctttattttc tacattatat
 146701 gttttttataa ggtttgaaat ttttataatc atccagtatt acttttatca tctaagaga
 146761 caataaagat tttttaaaac atgtcataat gggatcaga aattttcctg ctggaattt
 146821 tattttttat gagaatgcaa ttgtaagtta tgattaaaag tgtcaaagtg ctagagaaat
 146881 gtaattatag agataaaata ataaaagaaa cataccaatt tttaaaaatc tatttccaac
 146941 tatattatcc caatatggat ttaaagcagc ttataacaac aactacagta taacacagaa
 147001 ggagagttaa gtgaaaaaaa ttgaaagcaa aaaggaaagt aaaggtgaaa gaaataagat
 147061 gaaaatgatt ccagatgtac agtcagtgtg caaaacacat gggctcaggt tctgtagcct
 147121 gtttacagat accctgaatt ttttttctaa gcttcctagc agacaaggca aaaaggagct
 147181 cagagtgtcc atcagataat aataagtga tggttcagaa ggaagcaca ctgattttgg
 147241 caccaggacc tactgagatg ctttctctaa tgagtccaca gaatgaagg gctttttcac
 147301 aaaatgaatt gtgtgtccag acacaaacag gatttttttt aaatgttggg gccaggttgc
 147361 aagtataaaa gtttaataat ttgggggcca aaatttaact gaaagctgaa aggcattgcat
 147421 attatataga aatgcaaata aaatggtctc aatatagttc ctggacaagt ttccaaccac
 147481 cttctccttt atacaaatga tatactgtaa ttactttcc ataattcact ttctttgcag
 147541 atacttatgt cttaaattat actgaccatt tttaaattg caacactaaa atcattatgg
 147601 tctgacattt ttatatgctt ataaaacaca tttgttcta actgttttta ttagaagaaa
 147661 tgtggcctgc tgcaaaccaa aacctacata tttactttg gaaaaaaaag agcagctgga
 147721 aatataaaaac cccacacatt tgcttttaac actgcttggg aactaaaacc tatcatgtgc
 147781 acttgactgt gttttcacag aaaagcagca ttctcagtgc aggcacagcc caggcattc
 147841 tcaactgtcc ccaggaagggt gtgagggggt gactgtgcaa gctggggctc cccgtagag
 147901 ggctcccttt cacagggatc tctggaccat tgtgtctcta gacttaagaa tacagaaaac
 147961 aaaattcctt ggaatttagc ctctgaggag gcaggcaaat tatgttaacc acaagcaaac
 148021 atctacatta ctttctgggt tgtttccact accttccaaa ataaattgca atttaaaatc
 148081 agatcttaga agactacata taacaagaca cccgtatatt ttcttttctt gcctcatgaa
 148141 atgacaaaaa ttgcaaaaac ttttaatagc atttaaat ttaactcta atcacatgtg
 148201 tttatattta aataaatggt ggtttcttaa aatacgatta ttcccaact ctcttgctat
 148261 aaattaaaac acaaatggaa gacgaagatg cccagagatg attccagttg atggaagttc
 148321 ctggtccagt acagaaagggt aaagagaata acaataaata taagtcaaaa gaagggtgga
 148381 aacaaaatac actggcagta aaggcatgtt ggtaccaggt gggttcttgg aaaacaggtc
 148441 agcagaagtt aacagggtgg tcaactagccc agtgagccaa ctgtttccaa aacactggtc
 148501 caaacacaag cctacttgtt ctctgtggc tggctcccta ttagagattt ccagctggaa
 148561 cttcaaaact tgatacaaac catgaccaag catgggaatg caagactgga
 148621 tgagtactca aaaaacaacc gatgtaatcc accagattat cagattaaaa ggaaaaacag
 148681 tcatcatcaa tcaatgcaga aaagcatttg acaaaattca acatacattc atgatttaaa
 148741 aaaaaaaact ctcagcaaat taggaataga agggaccttc ttcattctga taacacctac
 148801 gtctaacata atacttaatg gtgaaagatt gaatgctttc ccctaagac cagaaacaag
 148861 gcaaaaatgt ccactccac cacacctact tgacattgta ctagaagttc tagccaatgc
 148921 aagaaaaaaa ctcaaggaaa agaaataaaa ggcattgcaga tttgaaataa attaaagttgt
 148981 tcctattcac agacaacatg actggctatg gagaaaatcc caaggaaatc aggggaaaat

FIGURE 1 (continued)

152281 aaaatatcat cccagtttca ggtagctaca aatggctggg tcccaagtaa acctttttaa
 152341 tgtgagggtt ctccttggca atctcaatct ctccttttct ctccttctg tgccttccc
 152401 tgctttgcag cctcttactc aataacactc ctgcttttga caccatagc cttttcacct
 152461 ttctttcttt cttttctttt cttttttttt tttttttttt tttttttttt gagacagagt
 152521 tttgctcttg ttgcccaggc tggagtggga gtgcaatagc gtgatcttgg ctgagtgcac
 152581 cctctgcctc ctgggttcaa gcaattctcc tgcttcagcc tcccaagtag ctaagattac
 152641 aggcattgtg caccacacc agctaatttt gtatttttag tagaatggg gtttcacat
 152701 gttggccagg ctggtctcaa actcctgccc tcaggtgatc caccgcctt ggctcccaa
 152761 agtcttggga ttacaggcgt gagccaccgc acccagcttt cacctttcta aactgactga
 152821 ggcaagcgtc tagaatcagc cttttctatt ctaaggtaaa catgagccag tcacttgcag
 152881 agttggtccc tacctcccat ctggttccct ggcaacttgt atccacctct ttttcaggcc
 152941 tgaatacctc acattgtaac tctctgtcta catgagggcc tctctacca agctaaaagt
 153001 ttgtcaagaa agaagaccag gtcttaatct gtatgcccac aacctacca tgggtgttgt
 153061 aacatttaag cctttaatca atgcttgttt aatgaatgta tctcttggc ttgctgatt
 153121 tacattttta gctcttctc taactgtgga aagactttac ctctaccta cacaggagt
 153181 cttaatttta gattcaaga acacattttt atgtacatct atatgagcat ttttccagga
 153241 aagagggttca cagccttaat gagattctta aaggaatctc taactccaa aatttggaa
 153301 caaaccaagc caaagaactt caagcactag gaatcagaag agaggcatat tattaggcta
 153361 aggggcctgc caagcatcca tgggaactata ttggtaggaa gctaccaact ctgcttatag
 153421 gtaatctctc tgaatacaaa gtagaagtag acagactagt cactgctgac aaatccagac
 153481 cagtcgatgc aatcgtatgc attcacaata tacacaccta aaagaaacca caactcagg
 153541 gagatgacaa tgatcagaat acagatgctc ctcaacttac aatgggctta catctgata
 153601 aacctattgt aagttgaaaa tacagtaagc caaaaatcca tttacttaac acacctaac
 153661 tactgaacat catagtttag tccagcctac cttaaacatg ctcaaacac ttatattagc
 153721 ctacagttgg gaaaagtcac ctaacacaaa gcctatttta taatcaagt ttgaatatct
 153781 catgtaattt cttgaaagct gtacctaaag tgaaaagaag aatgttggta taggtattcg
 153841 agttaagggt tctgctgaat gcatatggct tttgcaccat cataaagttg aaaaatcatt
 153901 aaattgacca taataaatca gggaccatct gtactatgat ttctagaaag ccacaaactt
 153961 ttaaaaactg gtagcaaaag tataggactg cagagaaaaa tatctatttt tattccagat
 154021 tctaagtcct atgcagaagc acagccctgt tccacattga gtgtccaaat acatacaggc
 154081 ctatgccttc taaaacctg cttcatgtgt cctgaccca gcaccaatc tctttgcta
 154141 acacctgtgg gtgagggtgt gtccttctcc agttttgtgc ctgctaagta gagcccacca
 154201 ctggaaaaat tttcatagge taaatttttag tgaattacta agaacaattt aaaattgggg
 154261 aagtgtattt tctagaggte tgtttcacca agaattttca gtggcattaa ctagtgtgga
 154321 tgagttattt gacatatgaa gatgtcaggt agatacatcc caggcctctc tgacctggac
 154381 tctctgactg actaattata aatcagaggt tcccatgatc cactcttcag gttcaacaac
 154441 tagaatgact cccagaacte aggaaaatag ttaacttact attactgctt tactataaag
 154501 gatactactg aggaacagcc aaacggaaca gatgcatagg gagatgtacg tggaggagc
 154561 acagaatgtc attgtcctct ctgtgcaccc caccctccca gcacctctac atgtatacca
 154621 acccaaaagc tctccaaaac ccatgattta ggggtgttta tgaaagcttc attatatagg
 154681 catgattgat taattctttg gtcattgggt atgagcttaa tctccagacc ctctccctc
 154741 cctggacatc taggggtggac tgaaagttec aaccttctaa tcatgctctg gtctttccag
 154801 tgaccagcct tcatcctgaa attatctagg agcctccagt caccagtcac ctcatagca
 154861 aacaagacac tcttttcaat ccagagagtc caagggtctt agaaagtctt gtgtcaggaa
 154921 ccgaagacca agaccaacta ttataacaaa agttgtcctc atcaccctc tcaactcagga
 154981 tattacaaag gttttaggaa ttctgtgcca ggaactgggg acaagacta aatatgtatt
 155041 tcttattata tcacaatate acacatactt aatcaaatta ctgtatttat aataatagta
 155101 agattagtta tctaaatgtc cacacaaatg gcataaatca ctgaagtcct caaaaagaaa
 155161 atgtaggaag caaatggaga atcatttgag tccattatca ttttctacct ctctctctc
 155221 gatacggtt tctttgagtc attcatttct catactgaaa atcactcatt caaaaccagc
 155281 cttttaggta gaaggtcagt acccatgtat taggctttaa tgttgggatt cagatgatat
 155341 ggagtggagt ttttctacca taaaggggaa gatatttgaa taagccttta agaagagaa
 155401 agtgaaaaac agggaagaat aacatgtgca aagattcagt ggcataaaga aggtttgtat
 155461 gttaggggaa agcaagtagt tcacagtggg gggcacgctg ggtggactgg gagctatggc

FIGURE 1 (continued)

155521 gagagatgag actgaaaagc gtacagccag ccagggaatc tggattcatc ttaaatgggt
 155581 acagggccat tataggatgt taatcagggg agtgacatat catatttgca ttctggaaag
 155641 atcattcttg cagcagtgtg gaaatggact gaggagacta gttgcagaag gagcagttaa
 155701 tgtggtaaga cagagataaa ggatttgaaa gacattaagg aggaagaata cacttatatg
 155761 actcccttca taactgtggg gtaaaaatat agtccaatct ctctctttcc cagttcattg
 155821 gttttgagac cccattagtc tatgttatta gcaacaattc cagtatctcc ctctgaagc
 155881 tgctccacag cctaccccca aattgttgaa aaatgctgag gtctgtcctg gttccaaata
 155941 ccaggctcga acagaataga aagcctgatg agtccaagat gagtccacat ttctagctgc
 156001 tgcagctcct ggtaaaacca tagagtgtgt acttttgtcc attgctgcc aaaaacctgg
 156061 tgttccagat ccctgcaaag acaactgtga tgctccacac ttgggatccc aggggactgc
 156121 tgptttacct taactcatat acactgtcaa aggatcgata ctgtgccaga aaccaggct
 156181 cagccacaag cctccttca tgagcctaga aaggccctaa tgctagccag ttcaacattc
 156241 tcctttctcc atagttagtt tcccttggg ccccttggag tctttcttt ccaagggacc
 156301 tctgctggga caacatcaat ccatcagaga ggttcgagta aaactgagcc aaaaaagaga
 156361 aaggagctag agttggactg cctttcctcc aggaagtcc ttggccctta tacaggcaat
 156421 cagcagtgtg agactttgtc tcgccaccaa tttcctgtca ctctctctcc agaactgg
 156481 ttactcattt gcatatatt tgcataatta atagggttaa gtccagtctt tggggaagg
 156541 tgactttcca tgtccaccta aagagcaagt gcctggacat tcttcacaat ttagaaaaga
 156601 aaagaaaaaa agaagtgaag tgtctgtctt tagtgactaa gtagatgggg atgcaactgc
 156661 tctgtttctg agtgccagca acagggcagt ggccccagat gaaagtcgcc cactgcaag
 156721 gcttgccag tgactggagc ctctgtgtga agaagaagca gtgtgccagc aagcaccatt
 156781 catcaaatgg aacacagcag atttcagcca ctctttctcc tcagccagtc acctctggac
 156841 agtgtagagt gacgcagtcg tctgtcctga aactaaggca gaatgttctt cttcaagaag
 156901 ttaggttccg gtagagtct gtggcatcag ccaattaaag tctttccaa agagtctcat
 156961 ctattaaaga agagagatcc tgataagata aagatggcag aaggggactg tttgatgggt
 157021 acactttttt tcatggggct ggggaagtac tggactgaaa gtgataaagt ctctcaacta
 157081 atgtgactcc ttcctagctc agaaaagaga attatctgtg aattctctca cctctctga
 157141 agtgccagtt accaggggga cagtcacag tctatcttct ttatacttct tcaagaggc
 157201 ttaaagccct gtgagggggt agatagatag atagatagag agcgagtgat agatagagaa
 157261 ttttaaaagc tagactagca attactcacc aaaaagaaaa aacaatttcc tgtttgtgc
 157321 tgtcagtaaa atgtaaaatt ttacagaatg cccgcaagtg attctcttta agtgctcaa
 157381 aaggattatt ttctacaaag tcgaaaaaaa aaatttttaa tgctgatagg aaaagatcat
 157441 cttattaggt gctttgtaat gtagggggaa ctccagtcaa taagcagtgt gaggtggaag
 157501 gaaagaaccc ccagaggag atgagacttg tacgccacac cagctgcact accaactatg
 157561 tggccttcag tgaccacctc acaggaatcc ttcagttacc cacctggagg gctacttaaa
 157621 taccaaacag aatagcttat gtgtgaaatg ctttgcaact ataaacgatt attcacctgc
 157681 attataatta tgtttctaca aattgtgctt gtcagttcac atcccaaaag gacctaaaca
 157741 ttagacacca ttttacaat tataaaaggt cattatgaag ttctgaaata cactctggct
 157801 gaagaaaata cagagcactt taggaaaaaa aataacacat catccacgtc ttcaattcta
 157861 catcctaaat aaacagttta atcccatcac ataaacacagc aaagcctgtt atccgataaa
 157921 aggagagtac taaaccctca atttaaggac cagttacaac tgattaaagt aaggatactt
 157981 ataatttagt gtgtaagaat gtatgctgaa atataattag tgactatgaa ttaaagcagg
 158041 atggattagg ctaattcctg gaatgctatt agagagaaga ccctagggtt aaaaaaaaaa
 158101 gaaagaaaga aagaaagaaa agaagaagaa aaaagaatga tctttgtgtg tgcacagcag
 158161 ctaagccgct taatgtccct ctaatggatc tgaatgggaa gaaaggggag aaggggagtg
 158221 gagccctctc catggcgctc gccacgcta cgcctgctg gcaactgcagc cctggaacc
 158281 tgggtacaag gcagaagggg ctgagttgca tgccctccgc tcaactccca gcttaattta
 158341 tatggtaatt agagctctgc tgccagaagg gagagcatct gccaaaagta aagtcctcac
 158401 aataacaaaa ctgacattag ctgtgatgcc gccaaagtgc tgactaagaa atttctttta
 158461 tctccttttg aagccataaa gtgcattcat gttattacta gtcgggaatt tttaacagtc
 158521 ttgcaactgac agcaattatt taacacatgc acaaaacaat agagtctcac accacgtaat
 158581 caacctttga gctccgtgac ttccaatgct ctactgggt ggattttatg gtctggtagc
 158641 tctgaacag ccaagtatat aagccacaaa aacagtataa aaatgatttg aagcaaccac
 158701 ttcttgtgccc cttgcagatt tatttaatga ctgaggcaca ctccatgatc atgggccaat

FIGURE 1 (continued)

158761	taaaagattt	gtctgccac	cttattcgct	gtgtttgact	gctacaataa	gtctctgcga
158821	aggaatcaag	ctgaacgcat	ggttggtgac	ctgtccctat	atccaatttt	tccaaaacat
158881	cagccagaat	aagatttaag	tatttttagca	atctatttaa	ggtggactat	attactacct
158941	ttctcagtaa	aagaattcat	tcaaatattg	tatttgaata	tcaactctgc	taaggcccaa
159001	aatagaatac	tatatacaaa	ggagaagaaa	atcaagaaaa	ctgctttcag	gtatcatcta
159061	actgaggagt	tgtaatcaaa	taatagtgat	agaggctgtg	tgtgtttaaa	gaactctcct
159121	ggaagtcaga	tgtgggttat	ggacaagtca	ccaaagccct	atgtctggtg	tccttatctg
159181	taacaataga	ggtagtata	gctatgccac	ctgcctctaa	ggttttcatg	aagatgaaac
159241	aaaaactgaa	ggaacataga	agaatagatt	ttaaattatc	tcatcacaaa	aaaaaatgat
159301	aagaaggatga	agtgatggat	atatatttat	cagcttgatt	taatctttct	acaatatata
159361	taacatatac	aagaccacac	tgtaccctat	aaatatattc	aactattatt	tgtcaataaa
159421	atttaaaaaa	tgcagtaaca	agcactttgc	aaactatgat	gcactatata	aataaaggaa
159481	taattattct	ctgcaaatga	taccaagaga	tttatttttt	ttttttggcc	actctaattc
159541	aaggatttta	gtatgtaacc	atcatagcca	tggagacctt	gaaatctaata	tgcattttact
159601	aattttactat	gagttatcac	taggaattcc	ctaactcagt	atcaagaata	tagaaatcag
159661	aatatcaaa	ttttaagaat	tatgaaattt	gtctaaaggg	aacatatggt	ttaaaataga
159721	tggctaaaaa	cagcaagcat	tataaaaaca	agtcaacttt	taaaagactc	aaattatata
159781	cacaaaatcc	tcagtcacta	tgtaaagttca	tgactttata	catattttacg	tgcaaaagttt
159841	gaatttatatt	atgactcatt	tttgcccggt	catggtgggt	cacacctgta	atcccagcac
159901	tttggggaggc	gaaggcagg	ggatcacttg	aggtaaggag	tttgagacca	gcctggccaa
159961	catgggggaac	gccgtctcta	ctaaaaatac	aaaaatcagc	tgggtatggt	ggtgggtgcc
160021	tctaattcca	gctactcagg	aggccgaggc	aggaaaatcg	cttaaacctg	ggaggtggag
160081	gttgcatgta	gccgagatca	cgccactaca	ctccagccag	tgagactccg	tctcaaaaaa
160141	aataaacaaa	caaatataat	aaaaataaaa	aaaaagatat	atatatataa	agactcattt
160201	ttaaaggcat	ttttagtcaa	ctagttttga	gtattaaaaa	catacttaat	gtaagtcagg
160261	tacaatatag	aaaggtcata	atcaatcaca	taatctcttt	cttagcccat	ttatctgccc
160321	atacatctgt	aacagagatg	tgctgtcagt	agggtttaca	ttttccagc	aaacggaatc
160381	atagaacaat	agggttttag	agctctgtct	tgcttttatg	taggtgtgac	ttccctaaca
160441	tttgcatatg	ccagcatttc	acctatttct	ttaaactgca	tgcaataggc	atgccatgcc
160501	caccattttg	aaaaggtaact	agctgcctac	ctgggattag	tccttgacct	ctacatcaaa
160561	atacacttct	ggtcattgcc	tttgggtgtt	aattgccttt	ggtgttctct	gtagccctcc
160621	cctccatggc	tgccaatccc	catctgtacc	ccgtggcacc	cagtacccaa	ctgttctctt
160681	tctgcttgcc	tcactctgct	ccttctctct	aaatgataac	tcacactctg	cctataaagt
160741	tttcttgcca	aagtatcaca	ttctacttta	cacactttac	ccttcaaagc	ctttaaatta
160801	ttgtttatat	actcccatga	gttatattta	tttgtgtccc	ctatataatt	ttaaattctt
160861	atggacacaa	atttaattgt	actatttttc	acagtcaaat	tcaatattac	catattactt
160921	tcatatgcag	aagtatgaca	atgggtagac	ttcccacact	atgcaaattc	ctgctttttg
160981	acagatagtt	aaatcttaat	acactgttag	gagcccaactg	actacgggac	attgtttgag
161041	ttgctaagaa	aattttctga	aggataatct	taggccaattg	atgttgatca	tgtgtgtttg
161101	cacacaacgt	agagatagaa	taaataaaaa	ttaaaccagt	gagcttacta	cttcttgcta
161161	acattcaatt	caaatattaa	aagtagactc	actcaagaaa	aaaattacat	tcctctatgt
161221	ttttaattgt	cactgcttat	ctaaacctta	gatactaaga	aatgaaggta	agaagagatt
161281	agcagcaaac	ttcaaaggta	gtagcaggcg	ctttcgcaag	aacataatta	gatggtgatt
161341	tcatatgacat	tacttactca	aaacacactc	tagagatgat	gcagggtcta	tacatgaaag
161401	ttatataaatg	cttttgatgg	atcacctcaa	gaacaaaaaa	gcaggctgca	atccgacga
161461	tatattttctc	acaaatgact	ccatatgaaa	ataagagaga	aaaatagcac	cttgcaaaac
161521	ttttcaatat	tgtagaacag	taaataaaat	taacacttta	gaggtagtaa	aatctgtaac
161581	atatgtgaca	aagagtatat	gttttaataa	tataaagaca	gctttccaat	acaaaacgaa
161641	aagaatacct	taataaaaata	aataaatgaa	aaaagataca	aatgggcaat	gcactgaaga
161701	agaaacacaa	actgccaata	aacaactgaa	aacatgtcca	aattttactag	gaacccaaaa
161761	aatataaatt	aaagcaacta	tatcattttt	aaactctgag	attggcgaga	aaagaatact
161821	aacactatag	gtatagcact	ctagaatatt	cttagtgcaa	gaataaatta	cacaacctct
161881	ctggaggaca	atttggaac	acacagccaa	actctacaca	tacactctca	gcaattccac
161941	ttaagaatat	atcctaagac	aataattaaa	caaagtctca	ctctgtcatg	gtttataata

FIGURE 1 (continued)

162001	acaatattgg	acattactag	aatgaacag	agaaaggcct	cattcaatag	acacactcat
162061	atagtaccat	aatgtattgt	taagtgaaaa	agcaggctat	aaaatgtatg	tagaatatga
162121	tcctggtttg	taaaaagaca	aaaaaaggag	gaaggaagga	gaggagaggg	aaggagattg
162181	aagaagagag	gaaaggagga	gggggaaggg	gtgtctgtgt	gtgtgtgtgt	gtgtgtgtgt
162241	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gttgggatgg	gggaaggtaa	gcatttgggg
162301	tatgtgtgaa	tagggaaaac	ctcagacagg	atcatgacca	agtgttaact	atgcttgtat
162361	gcataatfff	tcttttcttc	tttatatfff	tctagaatgc	ctgaatgccc	ccaaaagcta
162421	ttttcactac	gaaaataaat	ttaaactgta	atcacatttg	catagccact	ttataattaa
162481	agagaaatct	tttaacaaat	tctccatcat	tatcttcaga	ggcagtcagt	gattatttct
162541	agttgggtac	aagagaacct	ttcacattca	caaagtgtgt	ttctagatat	accaaacaaa
162601	aaqaaaaaca	aaaaaaccta	aaacttgctg	tgtgtccaca	gagactcttt	aaaaatattc
162661	tctagtactt	cccagtggga	agcgcctcag	tggaggcagg	gcctgaaacc	tcattccatg
162721	tattagatac	tggttggcca	ataagaatgt	gaagagttaa	atacccttcc	agaatactta
162781	atgtatggaa	tgaactggga	taaataataa	ttacattagc	aaatactgcc	caaagaaaga
162841	tttctgagat	attctaactt	caggaatcaa	atacaaaactg	agtcgacatc	aagctcagca
162901	gcataataaga	atgaagtaag	acactctgcc	ctgtgcttcc	caaattcgtc	ttcgctcgtc
162961	actcccaagt	taagaaaagc	ctataacaga	aaaataataa	aacaagaaag	ttccatcat
163021	tttagataga	cattgtgaat	aattctacaa	agacacactt	ctcctacttc	tcaatatgtc
163081	caagatgtga	aattgagcgt	attctttctt	ttccaagatt	acacatatgg	tttcaataaa
163141	tcttttattt	caattttcat	ttcttggcca	tcatttttta	gatcaaactc	aacaacctat
163201	gtcagactca	ctttaaaaac	acacagctag	acacttctat	gggacctctc	tcttcaactat
163261	ttttagactc	tcctagaatc	ttactaatgc	ctgtttcttc	tataccctta	gaaaattaga
163321	atgttggggga	aatgtttact	ttaaaaaaaa	aaataaacca	atgtatctga	gtgctacata
163381	aatcaccttt	ttctactctg	aaactgcctt	gtcaatagtc	actagccaca	tggggcaatg
163441	gagaccttga	aaggtggctg	agtccaaatc	aagatgtgtt	gaaagtgtac	aaaacacact
163501	ggatttcaaa	tatatatata	tataaaatat	taattgtata	tatatataat	atacaattaa
163561	taatgtttat	attaattaca	tgtcacaaatg	atgtttgact	atagttagtt	aaatataatt
163621	tcactctgctt	ctttttgctt	ttttgatgtg	actagcagaa	gattttaaatt	tacttatgtg
163681	gctgcattgt	gtttctgttg	gatgggtgctg	gtctggaatg	ctagttcatc	atgtcgagat
163741	tcttactgcc	atttctgtaa	ctctgcaaatt	actcagtatt	ctctttaaat	aataggtctt
163801	catcagtggc	attactcaag	agatttgcctc	cctctaccac	actcggtaaa	acacctgcca
163861	ctagtacttc	cttttcccca	aaattaaactg	ctgtgcttac	tagaagcttt	agctctactt
163921	taacttgagc	actctgcact	cctcgtgatc	agtgttttcc	ccagcgggtg	tctgccccct
163981	tgtgccacat	acacttgagc	agtggagtgg	cgttatagtt	tgccaatgct	gggtggatggc
164041	gtaactttca	gtttgggggtt	caaactcgct	tcccacaggg	caaacacact	aaagtgccac
164101	cacaattccc	ttgcaaaact	cattcattcc	ctgaattctc	ccagtgcacc	aggaggaatg
164161	tttaaccattt	tatacctgcc	caaaagtggc	ctactgtatc	agttaggatt	gctttcataa
164221	aagaaaccca	atgacctgcc	tggcataaacc	aaggttgggtt	tattttccaa	cttaagaaat
164281	tggtcagagg	taaacagata	agaggtgatg	caatagcttt	atgatgggac	aactgcctta
164341	gcctcctctg	tctttccgac	ctgccttgtt	ggtctcaaga	tgctcctga	atgttcaggc
164401	agtgtatcta	tgtccaaact	aagaaggga	aagatgaagg	gcaaaaaggca	catgtcagcg
164461	gtttttcttt	ttatcaggag	acttctgctt	ttatctgact	ggccagaact	aacttatgtg
164521	gtcacccctag	ttacaaggga	gtctgagaca	gcatttttaa	ctagaatttt	atcagtaagg
164581	aagaacggta	aatggatttg	cagttgttaa	tgtgtaccat	agctatattt	tcacaaatat
164641	tattgcaatt	ttgttagaga	tacgaataaa	tgcctaggga	taaggggatt	aaagaaaaat
164701	ccaacaaaat	tcacaatctt	aatgtttggat	acaaagtgtg	gagaatggaa	actttgagaa
164761	tataatgtct	attatgtgga	tcatttcat	ttattgaacg	tccacttttt	tgaatagttc
164821	ttacaacaac	tttcagcatg	tatctttgtt	gatagtaaaa	gtataatcaa	cctgccagta
164881	atatcttttc	taaaagttta	gttcatatta	aatcaaatag	ctgcttagaa	aactttatcc
164941	accagtcaca	gcctgctatt	caacatggcc	tcactctact	tttataattt	tacttcttc
165001	tatttcctgt	catccagagt	ggatgaaagc	agacctccaa	tgtgaaaacg	agtttcttcc
165061	tgagtcatct	gcaaaattcc	acactcctgt	cacccatctg	atccaatacc	aaattcagca
165121	ttccactcaa	atttctgaag	cactgttgtt	gctaataaga	accactgtct	gtttttcaat
165181	cactgccact	agaagatatt	tttttaaaag	acatagaaac	atagcttcag	tagttcacia

FIGURE 1 (continued)

165241 gtattaaggc ctacaccatg ccaagctgag aatgggagag ctgcactgcc tgaggatgcc
 165301 aggccctcag ctgggagcac tcactcactc actacgtgat tcactcccaa acaagagccc
 165361 tgcagaaagc ctgattcaag ttcttggttc agcaaaattc aagtttctaa aatgtcatat
 165421 atctttatgg cattggcaaa aagtcagaac tttctatgat taattcataa atgttactga
 165481 tcaattctgt tccctgtaat ggcccaagct ttccaaaagc tggccctttt ccacaaagtg
 165541 tcttctttct gtaacacca ccccatcta taccaaatga aaccctactc attcctcaag
 165601 gttcaattct gatttcacat ttccacaaa gcctttccaa atcgctctgc tataactggt
 165661 ctctattttg atcaaatata gcactttatt tctatttctc tcatgtcatt tatttctgcc
 165721 ttatattttc gatcagtctc agcctctccc actagatcaa aagcttgact ctatactctt
 165781 agcagagcat tttattttatt tgtttgcatt gaattaaatc tggatttgtt ttgtctatgt
 165841 gaçagacaaa aagtaattgt gcaacatcat tgaccacaat gtttttttaa agtctgggtca
 165901 caaattatga ctgtcaaaat aataatcagc ccatttgctt ccattttgag ctccagagaa
 165961 aattactaca aacatatgaa gggatgtcct atggccttga gcacagagga aagattgccc
 166021 accccagtgt ctatacaagg ctttctactac tccactatgc agcccatagg tcccatata
 166081 aattcagcag aagaatccag ttacacaacg attcttgagc atctgcaaag gatgaataga
 166141 tttcctgaac ccaaaaattg ggacacagaa tctttgtgcc attccagggt agttccatt
 166201 taaaatacag ctttgattgg atgcagtggc tcaactcatgt aatcccagca cttggggagg
 166261 ccgagacagg cagactgctt gagccacga gttcaagacc aacctgggca acatagtgg
 166321 acctcacctc tacaaaaaat acaaaaatta gctgggcatg gtggtgcgtg cctgtagtcc
 166381 cagctatttg gggggctgag gtggaaggat cacttgagcc caaggggcag ggggtgcggt
 166441 gagtcaagat tgcaccactg cactccagcc tgggtgacaa agtgagaccc tgtcttaaaa
 166501 aaaattttt aatggatcag ggagcacact tatttagtaa acatagcatg tattccaatt
 166561 aataaactgt tcaatgtaaa aagtgggggt gataagaatt aacattctaa ggaacaaaga
 166621 gcagaagcta agaagggcaa taagaagggc aaaaaaaaag ttggaaaaaa atccacctta
 166681 ttggcaaaaa aataatattc ttgcacatgt aggttgtgtg tgattataat gtatctctt
 166741 ttcttccttc tgcccagggt ctcagaggct aacgtgctat tctagagaaa catataacaa
 166801 cttttctctg actggtttga aaaactgatg ttgttctcac tagagggatg gtgcaaagct
 166861 ttaaaaaagc tatagagtga tgaagggaaa atagatgtaa gtgccaggat cctgtttaaa
 166921 ggatcaagga aggtctaaact ccaagaatgt ccacttaacg ttatattttc atttctacaa
 166981 attctatctg gtttcatttc aaatctttgt catatttctca aagctcattt tatttcttta
 167041 aatatattaa acagacatat tttacattct gaaatagacc actccaaact ctgcagtcta
 167101 cgtggaactg actctatagt gtgttttttc aattaatgat tgctcatgat agtttatttc
 167161 tttatgtgtt ggggatggga ggagtccctc accgtggatt caaggccctt cagttttatt
 167221 tgtgggaatt tattaagggt tacgttttaa ttattgtgtt cttccagaga gatttccctt
 167281 tccttctacc aggagctggg attactgcca atccaagacc attttcaact gaacattcaa
 167341 cttggcccta caggtgggtat gaactcaaac ccagagccta ccttcatgca ggcttatcgt
 167401 tggtaactct catgggggac ttctcttttc cattcctccc acaaccaag cagagacagt
 167461 tatatatgtc cccaccatgc cctctccaga gcagattctt cctagtgttt ccactcgggg
 167521 ttaaccattt ggtgtgctga ctctatgtgg gagctctgac ttgaccttta cctgtcttg
 167581 ggctctgttt cctgtgctcc ctacacatgc ctgggttaaaa cccacacttt aggcctttag
 167641 aggttaacag ataccacggg gaccaatgct tgttccaatg gtcacttacc cctcctgaca
 167701 catagtgtct tgtcattcct accctccaag gaattccctt acatttctgc cagctcagcc
 167761 atgcttttaa aactactttt taaaaaatat tttatctagc atgttcaggc ttgctttccc
 167821 aagcacggtc tcccttaaca tctagtctgc catatagcta gaactagaac tctcccgccc
 167881 agagatttgc acaggggctg taaacagtc catgtggcat gttactaccc tgggtcaaca
 167941 tccaaataac aggttcatt tcaacctcta aaatcagtat aatgtttatg tatacatttt
 168001 tcttttacct caatgtatata ctgtttaaat atgggtgtgag tgtgtatcac atattataat
 168061 ttttacaata attattttat ataattatac ttaattatat tcacatttat ttatttcttg
 168121 aagcaagtac ctgtacttgt tccatgtaat cacacctaca gcacatggcc tctaccaatg
 168181 aactttaaaa accaattcag aaagcaaaag gtaagttatg ttaaaacctc actagtctga
 168241 ttacctattt ctagagcctc tgetcaacaa taagaattta aggaaaaata agtaaatatta
 168301 taaaacaaag ttactatcat aattgtcttt tttttttttt ttttttagatg gagtttcatt
 168361 cttgttgccc aggttggaat gcaatggcac gatttcggct cactgcaacc tccccctccc
 168421 gggttcaagc agttctcctg cctcaccctc ccgaataact gggattacag gcatgcacca

FIGURE 1 (continued)

168481 ccacaccggt ctaattttgt attttttagta gcgatgaggt tttgccatag tggtcaggct
 168541 ggtctcgaac tcccaacctc aggtgatcca cccacctcag cctcccaaag tgctgggatt
 168601 acaggcgtga gccaccgtgc ccagctcata attgtcattt ttaaggtgcc tctcaagata
 168661 tggcacatta ttattcagaa acagcacaat gcctacacct tctataacat atcatctgca
 168721 ttatcataac acatgtgaaa aaccataatc cagaacccaa catctttaat aattttttaa
 168781 atgttttacag tataggtaga atacaaagta tatttataac ctctcttggt ccaaaataaa
 168841 tttgaaactg aaacctacta atatatattt aaattgatta taaatgatag ttgaaacaaa
 168901 gtaagttaat ggaaaaatat ccaactatcc ttaacatttt catctcaaac attaggagaa
 168961 atatctaate catgcagggc ttaaaaccta gatgatgggt tgataggtgt agcaaacacc
 169021 catggcacat gtatacctat gtaacaacct gcactttctg cacatgtatc ccagaactta
 169081 aagtaaaatt ttaaaaaata ataaataaat aaataaaaac attttctctt caaagaactc
 169141 cagctaatta tgtttttaaatt ttctcataaa ttatatgtat ctatgtagtc aataactttt
 169201 aaaaggttac tgggtcattt attcattgca ggataattca tgatcatcag cgaaataacct
 169261 ataactgtac tacattctca actattaaat gataatattc cattgcaagg agttttgtta
 169321 aggtttctgc attaaatgat gtagaaatat ataattctga aaattttatg ttctacttgc
 169381 ttgtttcaaa atgggcctgt gattaagaga acaaattttt taacgtttct ctgttaatgt
 169441 acaaatctca ctctccaaag ttacaacca aatgttttgc atcattacac acacctgcca
 169501 ccacctacag aaagaacaaa agttgtatc tctaaatacc aattgtatgt ggcagtgtta
 169561 ttattttatc cacatttcta aaacctgtta caagtgaata aaagattaaa ataatttctg
 169621 cagttctaaa caaagacacc aaagtataac tatttttcca attcggacct tcattaatgt
 169681 acgaatgcca aagcacacta gttggtcttc ctatttaacc acaaacatgt caggctctgtt
 169741 tggagtagtg ttgaatgtgg aaaagatgta tatccggttg gtaacagctt aaagggtttta
 169801 gaataaagcc tacatttctg ggtggccaca aatcttagct aaaaattggc tgaactatac
 169861 ggacgtgact tagagaggtt ggatttattg aaatgttcac aggtcgaggt gtcagaagag
 169921 ttggccttct gattatttct gaaaaatcat ttagctgtct aagactttgg tttctaatec
 169981 atggaactgg cccaatgacc tccaagcccc ttagctgtct acattcaaga attctgaatc
 170041 tatagcatgt gtaacaattg aaggtagact ttccacccca ttctctaaagc agaaggaaca
 170101 ctccagctct ctgactgggg ttcatatatg cttatatcag gttaaatgac aagagcatgt
 170161 cgaaataaga atcaaaatga gaggatttat catcctttgt cagccacatt cttatcctca
 170221 atgctcagca acagggtcta gagtgtctaa ctttttgatg caataatgac aatgcagttc
 170281 accaaacaag gccaaactca gtggtttcca ggaaactgaa aagagaaaga atgtggatag
 170341 aaatagtaga gacttcaaat gatgaagaaa atgaatgaag ttcaaactga gaatcaaaaa
 170401 gagacagaaa aaagacctaa aaagtgtggt caatgcattt ggaatgacta gaaccaggga
 170461 aagtttttcc taacaatact aataaaacat ctttgagagt attttatcat tagtgggagc
 170521 aatgggataa ggtcagattg attatttttt atttaaaatg caaaaactaa aatgggaattc
 170581 ttttgatttg tgaaagatag gatcattatg caacttcac aaaggtattt ttacctaaac
 170641 ctagaagtca aaaatgttct ttatttttta aaaaaaaca aaaatcttta ttgtcacagt
 170701 ggaacactca cacctctgaa aaatgagaca aatcatgaat tattgttact attcatttaa
 170761 attactcaaa aagtccatca ttatgttaat ggattaaaat atctttaaat aagagaatga
 170821 tataataaaa ttgccttaat tatggctccc ctttctttag gaataaaggc aatttaatag
 170881 aaagtagaaa attatctaatt aaaggttaagt tacagcacat attctatttc ccttcagatg
 170941 gttgttagta tatatgcgcc aatatacgaa tatatatata taacatagtt gataaaaaac
 171001 tatcttaaat gtttattttt atgtttctga tcatatattt tcaattaaaa gtcatatatt
 171061 aatcaggtgc agtggctcac acctgtaac ccagcacttt gggaggccaa ggcaagcaga
 171121 tcaactgagg tcaggagttc gagaccagcc tggccaacat ggcaaaaccc catctctact
 171181 aaaaatacaa aacttagccg ggtgtgctgg tgcagcctg tagtcccagc tactcaggag
 171241 gctaagggaag gagaattgct tgaacctggg aggcagaggt tgcagtgagc tgagatcatg
 171301 ccattgcact ccagcctagg caacagagtg agactcggtc tcaaaaaaaa aaaaaaaaaa
 171361 aatcttctaa aagtcttcta ttgacaaagt ccacgtactt gtcattttta tcatcctacc
 171421 atagaattaa atgggttaat attatataag ttgctttgac attcccttct ttgagaacat
 171481 ttatttctct gggtttttgt ttggttggtt gtttggtttc ctggggcatt attactttga
 171541 aaatattcct aaaagtagaa ttatacaggt caaaaaatag aatcatatta tagctgttgt
 171601 tacatttatt gaccaattgt tttccaggag aaaaaataac ccattcaaac agctaccaat
 171661 aatgtccaaa tatcgctgtc ccaatcttta caccactctt actgacacat aatgatatca

FIGURE 1 (continued)

171721 catttgcac tcttttggct ggcctaacgg gtgtatatag ttcctacagg ttgtctgaat
 171781 atgaatttta attgctgata aggctgaata ttattccttg tgatgactca ctctattttt
 171841 ctaaataatat aaaaaccact tactgagata caataagcaa tgatctcttg tacatgtaga
 171901 tgctttccat atttttaaac attaatattt ttctgtttat agacacaaca tatgtatatt
 171961 acagacagtc tgagatatata acaaaagcac aagaataata taaaaatcac ccataatccc
 172021 aacacacttt tccctttaaa tactgtgtgt tacaaaaagt taatttcctt tctcgcctc
 172081 cccatccatc ccgatccccg ctaaaagtaa ttactgttaa gcatttggtg tatgtatatt
 172141 gttccaggac ttctctatgt ttctttctat aaaaatagaa tcacactgat cattgtcttc
 172201 tgcaacagge tctttttcct taatactcta tcacagacat cttttcaaga tacatagacc
 172261 tatctcatte ttttgatagg cagatgggtat tctaactctg gtacagtaag ttatgaaact
 172321 gggctcaaagc aaggcaaaag ggtcccagct gatctctgag gtatatacat tacaattttt
 172381 cagttacggc ctcataggta actgccacca gttcccctgc ccccataggt atctgccacc
 172441 agttcctctg ccccttgat ctttcaactgc aatcacccaa cctctcctca ccttgccctc
 172501 aactcatcaa cctcatctc cagctttggg ggactgctga gggctgtcag agaaaccttt
 172561 cagccttctt gactggctcc atttgcagc agggtttcca acctcccctg ggctacctga
 172621 ttgtttacca ttgctttttt ctcatcttca ctagctctat tccagtcctt tctaccctt
 172681 cttcaatccc cactctaccc tcccactctg accatacggg gaggtcgtca atttacagag
 172741 taagtagaga acattcaaac atggcctcac ccacctctc ttcatctctc atcctgcctt
 172801 tcttggccca ccttcccttt cttcacccc aagtcaggaa aagggtacct tgggtctctt
 172861 ccaaggctta cccctccatc ttcaatgttg cctccatac gatgtccttc ccccttctc
 172921 ctggaaacaa gcttatgtaa atgccatatt aattatgtta ataataaaaa tgtatatagc
 172981 acttaaaatg tccagacctt cttctaagta cttatatat actaatttaa acttcataac
 173041 agccctatga ggtgagtggt acagtaattg taattatctc cattctacag attagtgaat
 173101 tgaagcacat tgggctcagg ggacctgcca aggtcacaca gctactaagt gagattcaaa
 173161 ccccaagcag tctggccctt aaccaccaag cccctatat aaagcttata taataggacc
 173221 agggaaatga tttagagcag agtggagtta gaagactgga tgggcagaga agcctgtaga
 173281 gcgccccaac caacagaaaa ctactctctt gtttgtctgg tttgaagtac cagagacaaa
 173341 catcactggg atgggaaatg atggagagac tgtctgtggg ggctgtctta tgggtgcctat
 173401 tctatgaaag cggatactcc cattatctct tcattctaac atctcagatt gtctccatac
 173461 aagtagttaa cctgggtgga aaactcttat ccatggctaa agccactaca cctaatacca
 173521 tgggaaccaa ctaggcaagc tgcaggtggc tcagcacaaa ctcccctgaca tgtgaaaaga
 173581 gctcaaagca cagctcctcc aectactcac catctacagg ctgcctgctt atgcctgaga
 173641 cactcaccta aaccatccag gcaccccatg atacttcaac actctctcta cccagccagt
 173701 gtcactccag tctactttga atactagt cagacagac catttccaat gagataattc
 173761 taactttctt cctcaatatt taccagaaat acgtctctt ttggcttccc aatcaccatg
 173821 cattttcttc ctccactata aagaatcaaa ttaacattta acatgttagc cctttaaatc
 173881 tctttgggaa gttaccatct gtgatttttc taccaaaaca ctccccttcc ctccctaccc
 173941 aaccaacaca cacaaaacac actagtcctt tctttgctgg gctaaaataa tacatgtagc
 174001 cccattaaca atccttcata tgacctgggt ttacatctct tctcatctt ggtcactcta
 174061 atatctaaat atgatccatt ttgcttaact ctctcttaat gtgtcccaga gcagctgtat
 174121 gacactgttg actcacacta aggaatcct acagatgtgc ttcacacatg ctacttccag
 174181 cacccaagge tcatccttcc tccactctca gagctgctt tcaaggcccc tatatgccta
 174241 ctgagtttca tattaatgt gtgagcttca acctcattcc attgtgtcta cttcccctag
 174301 ctctaatag ctaaatccac tgatgccaac actaccact cctacagact aaatcaaatc
 174361 ccacttcttc aaccagtctt gaccaagaca aatgtgtatc agcagcctca gcctaaccct
 174421 gaaacacaga attaatgtac ttttccagca tttactgaca aatcaatcct agatgcaggc
 174481 gtttccagta acccccaggg tctctatact gccccttagc tcaactcttc ttctccctc
 174541 gctaaaacag gatattgggt tgatccctag atcaccaatt cagtggccac agattacctc
 174601 tcccaccagt aatcctgaaa ggatgttcca ttgcaggagg cagaataagg caaaactgca
 174661 aagttggcca tttcctatca ttcagaaacc acattctctg gttggagggg agtagactaa
 174721 ttttgatat agaaaagaca atctgcatt ctctaaaaa gtgttactaa actttcaaaa
 174781 gtaactttca atagaagatt taatccaat aataacaaat atttaggaaa cacaaactag
 174841 ttttagatac tatatattac aaataacatc actcttctc aaaaataagt gtgccaagaa
 174901 tctctggcaa aagaacagag gtcactctgc actactctct tgattttaaa gcaatgaaat

171721
171781
171841
171901
171961
172021
172081
172141
172201
172261
172321
172381
172441
172501
172561
172621
172681
172741
172801
172861
172921
172981
173041
173101
173161
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173281
173341
173401
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173581
173641
173701
173761
173821
173881
173941
174001
174061
174121
174181
174241
174301
174361
174421
174481
174541
174601
174661
174721
174781
174841
174901

FIGURE 1 (continued)

174961	gaagtctctc	agacagtggg	ccccaaccct	ttaggcaata	gggggagggg	tgggggaggg
175021	gtatgggttt	tggatgaaac	tgtcccacct	taggtcatca	ggcattagat	tttcacaagg
175081	agcatgcaaa	ctagacctct	ggcatgtgca	gttcacaaca	ggactcgcgc	tcctatgaga
175141	atctaatagcc	actgatctga	caggaggcag	agctcaggta	aagcaagaga	tggggagtag
175201	ctgtaaatac	aaacgaagcc	accctcacct	gctgctcacc	acctgctgag	cggcccagta
175261	cctggtcctt	ggcccaggcg	tgggggaccc	ctgctctaag	aaactatgta	atttattcaa
175321	ggtcacagag	caggetatta	acaaaactga	aacaaggact	caggtctcca	gattccccgg
175381	tgaataata	tctagtcate	tatgaggtac	agtgcgtttt	cagagtttga	aacacacagt
175441	atcttccctt	caacagggtca	cgtggtacac	aacatgaatc	cacaattatg	aatcagttta
175501	tgaatctaca	gttatgaaac	actaagcaat	gaaaacatac	aacaggggcca	ggcatgggtg
175561	ctcaagcctg	taatcccagc	actccaggag	gccaagggtg	acagattgct	tgagcccagg
175621	agttagagac	aagcctggga	aacaaggcaa	acccccgtct	ctcctaaata	taaaaaaatt
175681	agctgggtcat	ggtggcacac	acctgtagtc	ctaactactc	aggaggctga	ggtggggagga
175741	ctacctgcac	tccaacttgg	gcgacagaag	tgatactctg	tctcagaaaa	aaaaaaaaaa
175801	aaaaaacata	aaacagtaca	gatcaacatt	catgggcctt	tatcatgcag	acaacagcct
175861	ctgaaagtgt	tgactataaa	acacaaaact	atgaaaatta	aatttgata	ggggaaccca
175921	aacattttgc	tcatgattac	tgattataac	aagtttatca	cactttaatt	cacaaaaaaa
175981	gacattaatc	atgaaaagga	aatcaagtct	cagaaaaggca	gtaatagcat	agttattaaa
176041	tgtaaccat	ttgaatecta	cctcctccac	ttactagctg	tataacctca	aggaattagt
176101	caacctctct	ttcgctccat	ttcttcatct	ataaaatgag	gactgtggta	tttatctcat
176161	ggagcagttg	caatgattaa	atactttagt	atctgtaaaa	tacttgggac	agtgcctggc
176221	tcatagttgg	tattcaataa	ttgctcttat	ctactcatgt	attattcttt	tccacttggg
176281	taacaaccaa	ctcttgacat	ttgtcatatc	cctttaagtg	tagccaaatt	ccataaggca
176341	ctggaatgac	atacgatttc	ttaaaggacc	ctggttttga	gccaaaaatt	aaataatggg
176401	agagatgtgg	tagaaagtaa	cagctacatg	ttcaagggtat	gtgataaatg	gccaatgtgt
176461	tagtctgtct	gggcaacaaa	ataatgggtat	tttgggtggg	ttataaacia	cacaaattta
176521	tttctcacag	ttctagaagc	tgggaagtcc	aagatcgaag	agctggcagg	tttgggtgct
176581	agtaaggggc	catttccttc	ttgataggga	tgacttctca	ctacgtcctc	acatggtaaa
176641	agggggcaaat	gagtcccttg	gggcctcttt	tataaagtca	ctaatttcac	tcacgagggc
176701	ttcactgaca	tgacctaatc	acttgcccaa	attccccacc	tcctaattccc	atcaccttgg
176761	ggactagggg	ttcaacaggg	attctgaggg	gtcacaaaaca	tccaaaccac	agcagtcaga
176821	aatcaggaga	atggatcatg	gggagtgaca	ggcttagccc	gccttggatt	ggcagatatg
176881	gagtgaagag	aagtaccaac	agttttcaaa	accaatcaaa	ccaaaacatt	tcatttatca
176941	catcgaattc	acaatgtact	atcgttacca	ctacaatgac	tggccaagag	cctccttaca
177001	ctccctacc	attcctactt	cttttttttt	tttttttttt	tttttgagac	ggagtctcat
177061	tctgtcaccc	aggctggagt	gtgcagtggc	gcaatctcgg	ctcactgcaa	tctctgcctc
177121	ctgggttcaa	gcagttctcc	tgcttcagcc	tcccaagtag	ctgggactac	gggcgcacac
177181	tgccaagccc	ggctaatttt	ttttgtattt	tagtggatac	gggggtttac	cttgttacc
177241	aggctagtca	cgaactcctg	agctcaggca	atctgcccgc	ctcggcctcc	caaagtgcct
177301	ggattacagg	cgtgagccac	cgcacccagc	ccattcctac	ttcttctact	tcacccatc
177361	aacagaatca	gagaaatctc	tctgaaaatg	gaaatagagg	tctccttgaa	atataatgcc
177421	catgagattt	ctcatgcaaa	gcaataaaaa	atgagctata	aaaaaagcac	gatgtattca
177481	ttcccttttag	atctgctgcc	taactctcat	tagggggcct	gagctcctgt	aggctctgtg
177541	tcagtgtctg	tgcaagtggc	ctgcaggcag	tgagggcagt	tcagtgtggc	ttgattacaa
177601	ggtgtgaaga	tgggattgtg	gcacactctc	aggggctctg	aagggcacac	catttttaaa
177661	tactcacct	gatgtttact	ccatggtgca	gcatattaag	tggaataatg	agagaaggga
177721	gtgactggaa	acaagaaatc	ctacaaaaac	caggttataa	gtggctaagg	catgaggtga
177781	caacactgag	agaagggtga	taaaagttag	gacaaaaaaa	aaagattttg	agtcttaaga
177841	aactcaggaa	gaatatggca	acaaactagt	cacattgggt	aaaactcaaa	gaagcttgaa
177901	gatcacccaa	gatgacagaa	tttagtagga	gacaaaaagg	ggttactgca	ggtaattacc
177961	gcaagaccac	aatcacaagc	tcagccttga	catgtttaat	tttaggtaaa	atccagggtat
178021	ccagctgaaa	acattctatg	ggtagtggga	aatcatagt	atgacagagc	aattctaaga
178081	ggttcagagc	atcaaccagc	tcacaactta	gttgctttta	gagttttcac	tcacagggaa
178141	tgacatgtct	ttatgttgag	caagaaaaac	atgaagtagg	ccaagaaaga	tttggaatgc

FIGURE 1 (continued)

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178201 attaaaaatta actagttact aataatatat tagtaattac aaacaaaaag agaattttaag
178261 ctataagttc aaaacatagg gaagatttta gggagaacta ccaaattttt ccacgaaaaa
178321 caaatatttg tgctactgtc agaataattag gattatggat tattattctg acttcacata
178381 gtatcttaca cactatctga agtcagaata tgttttatat gttattttaat gttttatatt
178441 atataaattg cttaaattaa gaataatatc aaagtcctac gaattataatt tttagctttt
178501 attcacattg ttactgacaa attcacatgg ctgattttaac acatgagaac agtcataaaa
178561 cagtcaaaag agactgaaac cttttttggt acaagtgttg gttacaatta aactttaaat
178621 aagagagatg gacgggtgag gtggcccaca cctgtaatcc tagcactttg gcaggctgag
178681 gtgggcaggt cacttgagcc cagaagtctg agaccagcct gggcaacata gtgagaacct
178741 gcctctattt ttttcttaaa aaaaattaat taaaacaaaa agacttacca ctttttccct
178801 catcattttc agcttttcat caatctctct cagccgatta tgcagatcgc gttgctcttt
178861 ggtgttcccta agtatctttt ctcttgaggt tacttccata tttctttcac catcacggtc
178921 aggtttctaa tttaaagaaa aaaaaaaac atcattcaca ggctggaaat gtgctgtcac
178981 ataccacctc aaagcaactg agccttgagg gttagctttg cttctcaaac aattatttct
179041 tcccttcaaa acaatatgta taacgcttta aagtcttccc attttaggag gtaaatgtcc
179101 aactgtacat ataacaagta ggaaaggaac ccaacttctg taatcatttg ggaagcagaa
179161 ggagacagtg aaaacagctg gagccaggaa acaggaacct gggttctggt cctgctctg
179221 atactttacca gcttgagacc ttggactttt ctttggaact caagtttatc atgtataaat
179281 aagaaggaaa aaaccctgcc catccatatt attagaagca gctgtgtaat aatgggaaga
179341 aaactggatt tggcaaggtc aggagttttg aatctttgcc ctgcctgggt cctgactaga
179401 ctgacctgag ggaaatgaat taacctctct gagcttcagt ttcattctct gtaaaacagt
179461 aacagtaata atagatctag gctaaaagtc atcacagtat gtagtaggca agcaacaaat
179521 cttaatgcca aacaaatgag agctgaatat gtcctttgaa aagactaagt attacataat
179581 gaaagtactt cattattgtc tgcaatatat atattgacag aaccataatt tcccaaagtt
179641 aatgttattt ctgggtgata aaaatgggca tttcttgata ggaatttggt cctgtatcta
179701 agattaaact tcttttctca catacatctg ctctgtgttg ccatataagt gatgggcagt
179761 aatgacattt ttgaaatcac tcaagccata atcctgctac tccctcatto cttacataga
179821 gatggtcacc aggaatacta tctagtggcc aatcccta atcctctctaa tcaaggcact
179881 tgtttctttc tcaccgtctt agttaagata tctcatcat tcaccagcag tttttaaact
179941 ccagtgaact tcagaatcac ctccagagcc caggaaaaaa tccgaaggac cagcctctac
180001 ccaggagggt ctgattcaaa agggaaggac aggacaggcc tgggtggctca tacctgtaac
180061 cccaacactc caggagggtca agtcaggagg atcccttgag ccagaagtt agagaccagc
180121 ctgggcaaca cagtgaagcc ccatactctac aaaataaaaa ataaaaaaat atattgcccag
180181 acacggtaac acctacagtc tcagccactt gggaggctga ggtgggagga tcaattgaac
180241 ctgggagggtc gaggtgagc tgagctgtga tcgaccact gcactgcaga ctgggcaaca
180301 gaatgagact ctgtctcaaa aaaaaaaaaa aaaaaaagga ctaaggacta ataaactgaa
180361 gcacacctac ttgagaattc aagaactact gacttaggtt gctgccagag cctcctggct
180421 ggtcttgatg ctaccagtca ccctgttgat tccattcttt gcagggaaga cacagaacaa
180481 ggtgcaaagt attcatgctt taggcccctgc caatctcttc atctcatttc ccaactgctg
180541 agactcagac tcaaatgtgc agcaatatcc actactacca gttcccccaa tccaacctt
180601 ccaactcctg agactcctac ccattttggg ccagttcaa gcatatttcc ataattatcc
180661 ctgacatacc cacaaggac aaattattct ctacgccag ccacatgctc ctttattgca
180721 cttaccacac tgtcaccacc tagacagtga catggtgac cctattctct gcattccaat
180781 gcaaactata atcctgaagc tgtgtaagca ctggccaata gactgtaatt tgggttttctg
180841 aaactttcat caaactagca atgaatttca gtaaaattct tattgtatac agttctacca
180901 agcaaattat taagagtgcg tcaatttcaa gaagtgatta ttttatattt ggcttcat
180961 ctacttctg gttagctttc atctctagaa gcactctgat atcgtttgga tctctgtccc
181021 taccaaattc catgtcgaat tgtaacccc agtggtggag gtggcgctg gtgggagggtg
181081 attgggtcat ggggggtggag ttctcatgaa tgggttagca ccactccctca gtactgctct
181141 catgattgtg agtgaatgag ttaccatgag gtctggtgtg ttacaagtgt gtagcacctc
181201 cctcttctct ctcttctct cttgctctgg ccatgtaaga agtgccctgc tcccctcac
181261 cttctgccat gattgtaagt ttctgaggg ctccccaaaa gcagaagctg ctgctccctc
181321 tgtacagcct gcagaaccgc gagccaatta aacctctttt ctttataaat taccattct
181381 caggatattt tttatagcag tgaaagaaca gactaatata catctagagg ctgaattatt

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FIGURE 1 (continued)

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181441 atcagaaata ttttttaaag gaaatctaata gttaggggga agtttggaag aaatgggtatc
181501 aagggtctctt tgcaatgcta agcagtcagc attttataaa ctttcatgaa gatacaccag
181561 ctatgaagta ggacacatgg taatctgcaa aacaccccg atttcatttt taaattgaaa
181621 ttatttttaata atctacaac tatgattttt tctaaatctt ggggcaagca aagagaaggc
181681 acagaaagaa aaaaattata agttgcactt aacaacattt ttaaattgtt cttaatcaaa
181741 accaccactg tgaaaatgaa caaaccacca actgagagaa aatgatcata acacacaaat
181801 ctgacagagg acttgatctc agaatatgta aggaactcct acaactcgat aataaaaaata
181861 atcaaataga caataataat taatcaaatg acaatcaaat tctataaaga cttgcacaga
181921 tacttcataa aagctatgtg catgacaaat aagaacatga aaacctctc aacatcatta
181981 gtcactgggg aaatgcaatt aaaccacaat gagacactac tacacagcca ctagcatggc
182041 ccagatgaaa aaaactgtga acaccaaag ttggaaatgt gtgaaacaac agggactctc
182101 ttacattgtt tgcaggacta tacaaggtg caaccacttt gaaaaacagg ccatgtcttt
182161 tttttttttt ttttttttga gacggagtct cgctctgttg ccaggctgga gtgcagtggc
182221 gcaatcctgg cctccggcaa cctctgcctc ccgggttcaa gcgattctcc tgcctcagcc
182281 tcttgagtag ctgagattac aggcattgcac caccatgcct ggctaatttt tgtattttta
182341 gtagagacag ggtttcacca tgttgccag gatggtctca atctcttgac cttgtgatcc
182401 acccacttg gctccaaaag tgctgggatt acagggtgta gccaccacgc caaaacaggc
182461 catttcttaa aaagttaaata gtttgcgat catgtgatcc aaaaattcaa ctcctatgaa
182521 tttatcaaaa agaaattaaa atatataact aaagccttgt acacaaatgt tcatggcagc
182581 taaaaactga aaacagccca gatgtccatc aatagagtat gataaactat ggtgagcacc
182641 tgccacagct gggacaatca gagtgtttct ccttgagctc catctcttg ttaggttttag
182701 tcaaagttag gggagagtac aggacagaag gagagagagc ttaggggtatt ttttccctt
182761 cccctaattg ttttgcata cagtttgggc agtgatgtat ccctgagatg tgctgagttt
182821 tcttagattc aactgcatat tcatgtcaa agactaacag aggacacact tagagccact
182881 ctactcagaa ggttataaga caggaaacac agcaggccag tatcagggtat ccttttcaa
182941 tgggagtgtt tgctacagtc catgccaata caatataggt ataaagagca aaacagctat
183001 aagctgactg tcttaaaatc ctcatatcct acaggagcca ttatctcttg aaatggcccc
183061 ataggcacac cgagtccaag gaccagcaa gaaacgtgcc cagccacaag aatcactgca
183121 gtcagagatg gccaaaatac agcttctcca tcaggctctt ataattctcc caatccaggg
183181 atcattttaa gcataagcaa agtcgcctcc taacatattc agcatgccaa cttttctcag
183241 attgccaaag aaacagagtt aggaaactaa ttaccgctca agcgtcacg ctgagggggc
183301 tgggggttgg taaccctttg cccatgtcct ctattattac aacttcagat ggccagttct
183361 tctcccacaa tccagctctt tgctgagctc ccacacactt tttcttccc catccaggt
183421 ggctagtctc tcgggtgtcc aacatccact gttagctcct ttaaattctat ataaatagtc
183481 cttcatataa attatcttgc aaatccaagc taggtattcc ttctgtttct tgtcaaaaac
183541 tctaacatag atatatacat agatagatag atagatatag atacagatat agatatacac
183601 acacacacat atatatacac acacacaaat ataattatat acatatatat gtgtgtgtac
183661 atatatatgt gtgtatatat atatagtctg tgtgcgtata gagaaataga ctggaaggaa
183721 atttaacaat aattaacttg gcaaaaatcc tgatgattta atcttatttt tcttattttt
183781 ttgtagtctc tgaatttctt acaataaaca tgttatcaat ttcataagca gacaaacctt
183841 tttttttttt tttgagacac ggtcttattc tgccacccag gctggagtgc agtggcaca
183901 ccacatctca ctgcagactc gacctcccag gctcaagcga tctcccacc tcagcctctc
183961 aagttcaagt ggctgggact acagggtgcac accacctcgc ctggctgatt tttttgtat
184021 gaagaagaaa tgggtttcac tatgttgcct gggtgattt tgaactcctg ggctcaaggg
184081 atctcccgc ctcagcctct caaagtgtg ggattacaga tgtgagccac tgatttttta
184141 tttttaataa acttttctgc caaagccatt tttgtcctgc tctgacaatg tgactctcca
184201 tacctaagag gtatacacc gaaggttggg ttctagcttc caatccaatc agctgtgcac
184261 ttttgaggaa gtcacctcct ctttctgggt ctcagttact tctgagaaag ttatttcccc
184321 ttctaatagc ttatgagtct ataattctct acagttagac ccaaaggata tataacagct
184381 ttcttcagtc atggcctccg atggcataca catatagttc aaatattcga aaaatactgt
184441 atgatgaaag cagaggccaa gagggggcaa gaaaagggtg cactgatgc tgatgaaat
184501 tgccagctg caaaaagctc tgtggtgcca ggaaagattc tttttcaca acaagtgcc
184561 aaccagtact atctgtctc gtgatcatca ggaaatatct tgatttctca tagtagaaat
184621 atttaatcag attatctgac caacatatca tttctgtgtt tctgggtcat acaggaaatg

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181441 181501 181561 181621 181681 181741 181801 181861 181921 181981 182041 182101 182161 182221 182281 182341 182401 182461 182521 182581 182641 182701 182761 182821 182881 182941 183001 183061 183121 183181 183241 183301 183361 183421 183481 183541 183601 183661 183721 183781 183841 183901 183961 184021 184081 184141 184201 184261 184321 184381 184441 184501 184561 184621

FIGURE 1 (continued)

184681	cttcatggag	aattcaataa	aagctctcct	ccatatgcca	caagaagaga	actgtccctg
184741	aggccaagat	caatagatac	ttgttgattt	gactaattgg	ttgccaagag	attctgagtt
184801	tatccttaga	aaaattatct	gtggtgttga	ctaggccaaa	agggatcttt	gaagcaaaat
184861	aaactcattt	tcaaaaatca	aaaacagcaa	attaccgcga	gcttcgtaag	ttatctgata
184921	tgcaaaataa	gcatgcgtaa	ggattgggaa	aatacaaacc	tgccataata	aagacagctt
184981	gtcctatggt	ttcgagacaa	tgctatacat	ttctgtaggt	tcctgctatt	tcttgtcatt
185041	agatggatcg	tgtgtctggc	agtacaaaaa	gcagggaata	agataacttc	ggcagattgt
185101	ttttatcacc	ttggaataat	gccataaaat	gaaggaaacc	ttgactacat	cagaagctta
185161	acagaggaaa	gcaaagaaat	ataaacttca	cagtaatctg	taaaatggag	gtggcaaggg
185221	cagtttccca	gatttaactg	gagatctaac	agattggcac	tgagagtaaa	gagctctgaa
185281	gtacttctt	gtttgttctt	caaaccacga	aatgcatgct	cctgtggctt	ctatgggttt
185341	tggaatgag	cagatggtca	ataagatttc	tgtgcctgtg	actagcatat	atttaaaaaa
185401	tcctaaattc	ctgccctcaa	ccaacacaca	cctaagtaca	tttggggtca	agtagagtcc
185461	atggccctta	ctggaactat	acaaatccct	ggacccaata	ataaaacatc	tttcagaatt
185521	acatgtcaaa	caatggtctg	tatttcctca	attttagcta	atattgagac	aggaagacat
185581	caaaaaaaaa	ttaattgttg	ctgtcagcaa	taatagcatg	atcttggcaa	gaaaggagat
185641	caatacaaac	tacaattttc	ctcaatcaaa	tgtttgctaa	ttttttctca	agctt

184681-185641

FIGURE 3

1 aagcttctct aaactgacct tgggaatttga accaccattt ataccatcat ttctgcatgg
 61 aagtgtaatg taatttccaa gaaaatgact tggagatgaa ttgtgagctc agtctgatca
 121 gaagttggag gcagcctaga ttcttttggc ctcttggtcc ctttggcctc aacgtgcatt
 181 gttatcctca ttctaatacc ccagatgcaa atattgattg atgtttaaat ggcaactttt
 241 cattaatgag cttagagcac tttgtgaaaa tgtgtgctct tgccacctct gggacatctg
 301 cctaagttgt ggtaaggggt ctggctagga gttaagagcc ctggttctag ttctgaagct
 361 gccatacatt agcttaaagc ctttgtgcaa gagagaggag aagagctata ctttgagggt
 421 ccttgcatgg ccattgtcta tgatttatga ttttatgggt agtagatcac agacagtgc
 481 aggatctttc catagctccc tttctgggtc aaaatgcagc aagaatagtc caaccacttt
 541 actaggatgt ctttattttt atggcttttc caccaaatgt attgctttcc ttagctggcc
 601 tgggttttgg ggacagatat ttggctatta tgtccacaaa tgcccttgac aacaggcaac
 661 ggaggaggta ggagccagaa gctttgtaag tttcataact tacagtctct gctgggattt
 721 tgatttgatg aacctgtgtc accttaataa attatgaagg ctctctttt ccttgaatct
 781 ttcttctgtg ctttgttcca aaacaggcca aagaatgtgc tctagaaatt ggccatctcc
 841 ctgttttgaa ggtgaaagat tgctgggtgt caccacaaa aggagacctc tctattatat
 901 gtttctgtgg ttccaagctc actgtgagct gtgcctttga cttggcaaag gaattcatcg
 961 tttgaaaagc tatttctagc ccagcacagc tgttcaactg ttaagtccag caaatgccac
 1021 catttttgca gactgtccta atacccccag agaaattatg gcaacctaa tgtgtgactt
 1081 tgggtgagtga acaaagaatg accacttgtc caaggtctcg cagaagtcac ccatgtaca
 1141 tttgattata ttctctctc tcttatctgg tgcaatgtag gctcttaaaa gcaaaactca
 1201 aaagaggttt tttgactac gttccttccc tgatctttgt gaaatcaagg aatcagatga
 1261 taatagtgat aaactaataa cagcaacagc aattctgatt tctttgatgc ttcttatgtg
 1321 gcaggtaata tactagatac tttataaaaa ttatcatgct catttacaga tgagagaaaa
 1381 gaggcatagc aagatcgtgc aatttgccaa agaaacttct taactaggaa atgtcagatg
 1441 tgggaatttaa acctgggttc accttggtag aaggctcctc gtattccact atggcatgtg
 1501 gattaaaaata cggatgtgga gatatggatg tggatgggga gctctgtaac tgccctggct
 1561 ccgttttagc tacagatctt tgtaaggtt ctttagcagt ttgcccctaa ttctgctaaa
 1621 ataagatccg cctctctagc ccgttcccc cctacacaat gacagaactt cttccctcag
 1681 cctttcttct gtatctctgg gaatacccca gtggcagtgg caggaggttg cagcacacat
 1741 aactcatgcc actgcttgcc ctccctagc ccgctctgct ggctctctga tcacctagat
 1801 gatgctgtct ggagctcccg ctccagagcg cctgtcaatc tgataaagct ctgggatggc
 1861 gctacactgc ctgtgacctc tagttgacct tgggccatct ctccctcctt ctccagctac
 1921 ttacaagccc ttgatgtccc tgctcatccc aggtctctct ctggctggag gggaaagaac
 1981 tcaaccttct gtacctgccc cttttgtgtg tttcattttg tgtgtggatg gtggaggtgg
 2041 gaagggtgcag gccggcagcg gccttctctg ggccactctt ggggttacag ttgttctgt
 2101 ttctccctat actcctccca tccagtgcac gtaagccccg ggggtgctgg atcagaatgg
 2161 ttcacatggg ggagtgtgtg gctcagatgt gtggctcttt ttttggctct gctactgaat
 2221 gactctccag ggctccttct cctttctcag ttaaagggaa gtttctctcc cagggtcca
 2281 tgggtgacat gtctgtatat gaaaaccac agactccagg aaccacagaa tcagggaagt
 2341 tggctcaagg gagcaagggt gcatctctc acagacactg ggtgtccaaa ttccaggggt
 2401 agtcagggga ggtgtatgtg tgtggagtgc tggctggata atatttcgag ctagctagct
 2461 attgtgattt tatccatttt atccctgctt tttctcttgc cctcctgcac cggccctac
 2521 ccgccacctc ccattcaagc agataatagc tgactctgtg ctccaggcctc acaggaggtt
 2581 tgcagcaagg cacaaagcaa agactttgct tctaagcttt ggaaacaaaa gcctaagccc
 2641 tcagcagaag aggatctgat ggaaaacaaa aacaaaaaca aaaaacaaaa gacagattgt
 2701 cctgaagaaa catggaagga aagaagcaat tcccccaaac tagaaagaaa tccatttgg
 2761 ttaacaggag gtgaatgcag aggtgacaga gagacagatg gggctccagg agcacagaac
 2821 caagcactgc ttctggggag agtgatgtca gcatgactca aaggcggcct cagcagagat
 2881 gcttggggac ccgggagcca cagcacagag tgactagacc tgaggggtca ggacagccag
 2941 gcaagggcaa ggctgtctca gggatctgta gacagagaag cgaggaccag gtgggcctca
 3001 cccagaggc cttggcactg cgtgagctcc agaaactctg gcgttaataa ccacgggcca
 3061 gggactcctg ggaaaactga ggttatgcat ttttttgtt attttttatt ttttctgcca
 3121 gccagaagaa ataagagctt ggcattataa attaagttgt tacagaaaac aaaagaaaac
 3181 tcgtcaacct tgtgtttgtg gactgggatt cacgcctct gccacctgc ctgctaccc
 3241 tcgtgttcac ccagaaggag ataagagagc ctgtgctcgt actctatcct gggcatttgg

FIGURE 3 (continued)

3301 ctagacgcag gccttctgtc ctggacccag gaataggtag cattgaccac gaatgcttcg
 3361 tattacactt tcttttccat ttcaataatg attcaacaaa acagttttta atgaaaagca
 3421 ttcggtaaac attgttcagt ttttccagga ctttaagctt cagagggatg ccacaaaatc
 3481 atcttcagag aagtttatgg tgccttgaag gctgagaaaa caagagtcct taagaaaagc
 3541 tctgattaaa cattgtagag cattgtattt cctgccttgt aattgtgata gatggtatgg
 3601 ttttgttttt aaacaacacc tcatctttga aatgactctg ctggaaacct agcatttttt
 3661 ttttttttca gaatatattcc actgtgtata ttaaattgac taaacattca gaagaaggag
 3721 cacaaatcag acccaggaga gtctgttgca aagtgttaagt aggagagagg agatgttacc
 3781 aatactgaaa atacactaaa attctgatga aagtaccaga ttcaatccca tgcaagcctc
 3841 ttaggaacac tcaaaactgtt gaaaaataaaa tggaaaaaag cgattacaca ctggcaccag
 3901 catcgaattg tttaatgaac attacatggc ctggatccta ttactaatgt ttctcttctt
 3961 tgacatatgt ccactgatga aggaaagtct tttttgggtt gcaaagtggc tttcagaatt
 4021 tggacgctct gaaagataac aaacaggcaa catcttttac ttcttgctca caagtaaatt
 4081 tctggcagtt ttgacaggt cataaacaca catgaaatgc taacgtagt ggggtgttag
 4141 atgctttcct taaagttgaa aaacattttt aaaataagtt tcttatgtc tacttttttc
 4201 cacatttctca actctgacat tcaaatgcac ttcacgaacc gacacgtaat aacatttgaa
 4261 aaccaaattt ggaaaacctt cactgaattca gacttcactc ttagagaatt ttcaaagcat
 4321 tcttgagaca agcaaatega ggctgtgaat aagattactg agaataatgc ttacttaaga
 4381 gaaatattca tgtttgttag atatgcacaa gcagttaatt acatttggag ttgtgcttgt
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 4681 ctatatgcag ataattgctca tgtttatgtc tccagcctca atctcttctt tgagctccct
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 4801 tggaatttat gcttaattcc tctctccctt cccatcatca tcttaaatat cactttaaac
 4861 atccaccctg tctcttccca ctgttgtaaa cttattcctg ccactcactc ttcttgctca
 4921 aatttctata gcaatctttt aactgatcca tctgcttcta aaacctttct cctgctaaga
 4981 ccacagaaat ttttctagaa tgcaaatctg aactgtgcac tctcttgcta aaaaaacttg
 5041 ttcagggccg ggcattgatg ctcattgctg taatctcagc actttggaaa gctgagacgg
 5101 gtggatcacc tgaggtcagg agttcgagac cagcctggcc aacatggtga aaccccgctc
 5161 ctactaaata tacaaaaaaa aaaaaaaaaa aaattagccg ggcattgctg tgggtgcttg
 5221 taatcccagc cacttgggag gctaagcagg agaattgctt gaaccaggga ggtggagggt
 5281 gcagtgagcc gagatcgccg cattgcactc caacctaaag gacagagtga gactctgtct
 5341 caacaacaac aacaacaaca aattgttcag gactctcatt gccctcaaga taaagccac
 5401 acttgcctta ggctgacaag ggccttcatt atggagacca cattocacce tcagcataac
 5461 tcttgacac cagactgaat gcactgtttg cattttctgt tccatctgat tagaatgcca
 5521 tccccctcac ctccactctc cctggatct ataaagcttt ctccatcta agatatcacc
 5581 tccccggga agcttctcat ccttcccaag attgaataag ggacctctcc tatatgcttc
 5641 tatagtactt acatctata ttacctatat cacagcactc aacactctga atttcagcag
 5701 cagctttatt catcagtttt ctcagatgat tgtaaaaacc ttcaaggat ctctctcatc
 5761 atatctccaa taatcagctc attctagatt cttgaaaaac atttgacaga tagatgaatg
 5821 cagttacttt aaagatctgt ttctcagttt cctgattcta aattctgaac agggagaatc
 5881 taatttgccc agcttgggtc agtttccatc cctgggtccaa tgagctgagc taggggtgtg
 5941 agagtatgga tggaaatctt tagaaaggag tgtgggggtta gaagcaatgg gtggcatgca
 6001 taaccaaatt atacaatgtt cttcattgaa acaataaaaac tgcattgtag tttttaaaag
 6061 tcatatgtta tatatttttc attaatcat gagcctcctt tcattagtct attataaaaa
 6121 ggtatcactg taccttcatt ttaatacata aaataaaaaat tatacagtca ctttttactt
 6181 attattaggg actcattcat ccaactgttc acaaatatta ctaagtacct actatgtgcg
 6241 aagctctgtg ctagggaactc ggtagatagc agaaaataaa atcaaatccc tgctgtcatg
 6301 gtgcttgctt taaaaaatgt aaaacacaga tgcagcattt taaattagaa aacttaatat
 6361 gaaagaagac aataggatgt tctgcggaaa ataactgggg ggatgtgatt cagttatgag

FIGURE 3 (continued)

6421	agccaaggaa	ggattcccaa	tggggggaaa	aaattacatc	aaagctaaga	tctggcttct
6481	ctgggaagaa	tgcttgggat	tggagagttg	cgggaggaca	aggacggaac	tggagatccc
6541	tgtggagtta	ttatgatact	tgacgcaaaa	gactatgacg	cctatgactg	ttgatgaatt
6601	caggagattc	tgggagccag	aactgattgc	actttgattg	tttctatgta	gggtgaatta
6661	aaggtgctaa	gaataacagt	tggggtagag	gttaagcaca	tgaactctga	agctagattg
6721	tctgagttta	aatcccagtt	ccattagtaa	gttatgtgac	cttgggcaaa	ttacttaacc
6781	tcactgtgcc	ttgggttccct	catctaaaaa	gtgggtgata	ataatagtag	ctaccttgaa
6841	gatttggttat	gaggattaaa	caagttaaca	tgcatataaac	atttcaaaaa	ttgcctgcat
6901	gtcgggtttac	ttacaaactg	aaaaagaggt	aagtttccat	gcttctgggt	tgagcaatgg
6961	agcgatacag	gtgacattta	ttgagatggg	aaagactagc	agaaaaagag	actttgatgg
7021	actgaagatc	acagtttagc	cttagatata	ggcttgagat	tgctcagacc	tcttggacat
7081	ctctcttttg	gcaggagtct	gatctcagaa	gagatccctg	ggctggagat	gtcaatctgt
7141	aagacttcca	aatacaggca	acatttgaag	cccagggatt	ggaaaggcaa	gcaagggaaga
7201	gtgtgtagag	tgagcaaagt	gtgaatacag	ggccaaagac	tgaccatgag	agttccgaaa
7261	gccaagtggg	gaatgagggg	ccaactactg	gtttatgtgc	agtgtgtgta	tgacatgca
7321	ttagacaagt	ggaaatagaa	acatctggta	taatttgaat	ataaggaata	ttcaaacaaa
7381	ggacatccct	gtatttctat	tttaattggg	cttaaaactc	taattttctg	tttagccctg
7441	ttacattgat	tttatggctt	ctctatccc	tcatttgaat	ctctgatcca	aagatttaaa
7501	agaaagtctg	gagaatttgg	agatatgagt	agtttcatgg	ctggatcttc	aatggcgag
7561	acagaagggt	gggcataaac	tagaaccagg	tgatgaaatg	tcttataagc	tgcatagga
7621	gtttaaactt	gataacagta	aggagccatt	caaagtgtta	agcaacagtg	aagcacgatt
7681	atctctgtatt	tgagaaaagt	ctttgttgaa	caaggtagaa	aatgcattga	aaaggagcaa
7741	atccagaagc	tgagaggcca	atggtgcac	tgtaacagta	acccaggaaa	gaaaaggcaa
7801	cacaaaggca	aagaaaagac	aaaccaggac	tgtgggggag	gccaacgggt	ccaatttaag
7861	taatgaccac	agcaagaaac	agacaggatg	aggtgattga	ctagttagag	aaggtaagag
7921	agaggatgac	gccatggcct	ctgcttttgt	tcagactatt	ctgtgccctt	aaaatattac
7981	atcttttcta	atccatccct	atgctccatg	cagcaccctc	aatgtcttct	gtagggataa
8041	ccctttaatt	ttcaaatatg	ttctcatcct	gtctctgat	gaatgcacg	agtcattaat
8101	tagctcaagt	ggaaaaataa	gatgcgactt	acttcatatg	cactctaggt	cccaggcctg
8161	ggtagaaaaa	aaaatctatt	acctaaccac	cagaagctaa	aatcctccac	aaagaagaaa
8221	ataccccagt	gattgatttg	gtctccacat	cacctggctt	aactaagtat	agaagtatta
8281	atatgctaga	ccctatttat	taaaataatt	tagctcatca	ttgtgacaga	aagcccattg
8341	ttcaaacagc	aatatttttg	taataaatta	gaagtccctc	aacaaaccct	gttaaaccct
8401	atgtggattt	ccgttaattg	ggaagatttc	ccagtgcact	agcttaacac	tgctgctgca
8461	cattaatttg	ctttccagct	atacataaat	aaataagtgg	ctgcctcctt	gatgtgagct
8521	ggaggaccca	ggggaaggca	tttttacctc	taggtatctt	ccccagactt	cttatgctgt
8581	ttataattat	catattcatc	atctttttct	tctctctctt	cccaatttct	ttcttcttag
8641	tctctcttga	acctattcct	atcagaactta	tgccccacc	attccatcaa	aactgcttgt
8701	caaggtcacc	aatgacctcc	atcttgcata	atccaatggg	caggcatcag	tcctcattta
8761	acatgatcca	tcaattgcat	tcagtgcagc	aaatcaccac	ctcttcttg	acacacattc
8821	ttcatttggc	atcaagaata	acacattatt	tcattttttt	tcctacctca	ttggggttag
8881	ccttcccttg	tgggtgtctc	catgggtctc	tagtggttcag	aatacctcag	ggctcagttc
8941	ctagtcctct	tctctataac	ttaaaccctt	gatcgtctca	tcccgctcca	tgggtattaaa
9001	taacaccctt	accctaacaa	ctcttcagtt	agtacctcct	ggctctccag	cttactcagc
9061	atctccactt	ggatgttcaa	tagacatctc	aaactcaatg	tgtcaaatat	ggaaactcct
9121	atctcccttc	aaaaactgtt	ctactcatag	ccttccctat	ctcagttgat	agcaacttga
9181	ttaagccagt	gctcatgcca	aaaatcttga	agtcactctt	ctctctttct	ctcacaatcc
9241	acatctaata	ttgttgatag	tgtctgcaag	gtacaccag	aatccattct	cttccctact
9301	ttccactgct	accatcctga	tcaccaact	cttgggtcaa	agtcactaca	atatactccc
9361	agcttctctt	cctgcttata	cacccttgct	tagcaccaga	accatagctc	aagtaactct
9421	tcttaaaaag	taatcagtg	catcacttct	ttactcaaaa	actgcaatga	cacagggtaa
9481	aagccaaagc	cttaaaaatg	ccttcaagct	cctacctggg	ctgctccctc	cctgagttt

FIGURE 3 (continued)

9541 caacctcacc tcgtgggtcc cctgtctcac tctgtctctg accactggcc tccttgctgt
 9601 ttctgagaca tgccagacaa gctctatgtg tgccctctgc cttgaatgct gtcggatact
 9661 agaggccagc cccacccttc tttcatggct ttgttcaaat gccatcttcc caatggccact
 9721 taccctgccca tatttcatac tgctacttgc cccagcccca gtgggtccag cctccttgcc
 9781 ctgctttact tttttctttt tccatagcac atactacttc ctattatgtg atgcaatctg
 9841 cttattttatt aggttcacta tcaactgtca tctctgctgg agtgtaagaa tcacaaaggg
 9901 agagggtcttt gttttgttca ctgctgtatc ctgaacacca agaacagtgc ctggaacata
 9961 ggaggcactc agtagatgct tattgaatta atgttttagg cttcaatcac aaggggccct
 10021 agtataaggg aaatattatt ggacaggtga tacattcagc ttcagggttc caatctgagc
 10081 cattaacata tcttacaagt ttgaacgaac tacaatagag atgtctttga tccatttctt
 10141 ttctagctca ctccttcaac acatttttca tccagtgct ctgggtctct cctcaggaca
 10201 ggggaatggat acagtcaata gtgtctgttc aggggtttat ctccttagag taatttggtc
 10261 ctctttctcc ttattcccat gaaatctgaa ctgtgatcca atttctcaag accttaaaac
 10321 taaaaaaaat gagaactagt gaccccatct taagaaatat tgcagattgt aaattaagcc
 10381 aatgctgctg ttaaacacga tttagctcat tgacatctag aggaataca aacgattgct
 10441 agaactttat agcaagagag aaggatacgg tatagtggga aaccaagca aagggtgga
 10501 ttgggagctc tatgttacta gaggctaaca tgaatgtccc agaggagcga aaaagaggga
 10561 cacaatggga aggaacagat catggggcac acaccttatt tttgcctaag gtggacaact
 10621 gggctaattc accaaaggtt ttgtgagccc cccatcgtgc tgctggcacc taggatagcc
 10681 ggggtggaggc ttctccaaca attctaagaa ataccatgg aatgagaaat gccaggcag
 10741 atagtgtggca agcgctatct cccctggagc tcttctggag accctgggccc acttccacaa
 10801 tgctttctac actgagaaca ctctacactc tcaacttaca ctgagaacac tcattaggtat
 10861 caacactgag aacactcatt aggatcaact agaggcaggt tgagttttta tttcactaag
 10921 taccacaagct cttgtgcata attaatcttc aaaaaactaa tttctttccc agcactgaat
 10981 tacccttgggt caaaaagaaa tcaacatgat aaataccagg cacatagtgg gcatttgaca
 11041 tccttcttcc catgtctctc gttttctctt agtaccacc ctcccaacct cctttgagat
 11101 gactattttc catatttgct tctttcatgg catatctgta ttgcttcgta ttggcccca
 11161 gatgtcagat tggtctgcat tactccaggc tgaatcattt gatttctgtt ccatgttctt
 11221 aacctttcca gatcctcttg tatcatttct cagtcattcc cgtgtttac aatacctctc
 11281 aattttaaagc catctgcaaa tctcattaac aaaccactga ctccttctcc ctccagatca
 11341 taggacatgt tgaatgaaac aagacctgac agcaatcttc tctctccat ttgaggcacc
 11401 atttctctgg gttactttta cttattatca tttttatatt atattgttat tgcacatgta
 11461 ctccagcctt aggcatactt aatatgtgaa aatcgggatt catcattttt tgaatttaag
 11521 ttattcacag gctgggagcg gtggctcatg cctgtaatcc cagaactttg ggaggccgag
 11581 gagggtgggt catttgaggc caggagttcc agaccagctt ggccaacatg gtgaaacccc
 11641 atctttacta aaaatacaaa aagtagccag gtgtggtggc ccacgcctgt ggtcccagct
 11701 actcaggagg ctgaggcacg agaatcgttt gaaccggtt ggtggagggt acagttagct
 11761 gagattttgc cgttgactc tagcctgggt gacagagcaa gaccctgtct caaaaaaaaaa
 11821 aaaaaaaaaa aagttattca cctacaaaaa acttaattat attaatccct ttactagtga
 11881 cttttcttag tatacttaaa atactttgct tacaagtaa taattacca acttctcaag
 11941 gctggttaca gccttgaata taggttttta ataccctta gctacatctg tctgtaagaa
 12001 attttttctt agtagagttt ttgaataaga ttcaaattct ttcacatcaa tattagtaag
 12061 catctgagga acacaccagt tttctcactg gcgattcatt ggatcttggc ttcaactttt
 12121 ctcccccctt tctctgatat gctcaaaaata ttccaaaatc tcaactattt tcttctctta
 12181 aaactttttg tgctccttct atgtgccaag cactgtgctc agtgctgggg tacaataaag
 12241 aaaagagtct ccattctctg gagctgttaa tccaagaaaa aactaaaggg aagtagtact
 12301 tttgagtacc tgccatattc tggacctgca atgtatataa tcccttttac accccacaga
 12361 aaccccatct aatagctgag aaaacaggag ttcagagaag ttaattaatt tgcctgtgat
 12421 gcagaataca aatagacaat ttacagaaga aatacaaaa gacgatagac atatggaaaa
 12481 aatactcaac catgcagtta ttaagtaact ggtttattaa gtaataaaaa tgctactttt
 12541 ttacctatca aggtggtaaa gagaaaaata atactctacg ctgggtgggt tgcagtaata
 12601 caggctctct tgcatagggc tgcagggaac ataaaggggc aaatcctcc tgagaaactg

FIGURE 3 (continued)

12661 tataatatgt aacaaggacc attataagag gaactcacct tagtgtccat cgcaagggaa
 12721 tgaaataaat gatgttacat ccatccaatg aaattgtaca tagccactaa aaatcatata
 12781 gaatatgtaa tgacctagaa agattttacca aatattaaat gaaaaaggca tattacagaa
 12841 tagtagatac tactggatga caatatatac aggattgtgt gtatgtgggt gtggagaaaa
 12901 taaaagactg gaagaatgga taatatgtta acaggggtta ttcataaaaag atacgacaga
 12961 gttcttttcta ttggtatctt ctacatttca attattttaa aaacccaaac ataaaaatgt
 13021 tcatacatctc agatctagtt atgcaactgt attgcaataa acagcaatgc agactaagag
 13081 tcaagtaact tgctcagaac caccatcgg gtatattact ttaagtctcg ctttctaagt
 13141 ctgaaatcca ttttctttct acaacctact cattcagctc cataacccca attatatcct
 13201 aactagagta atcccttgat gacctttcta gtttctaggc tttttatcac gagattaatt
 13261 tctccacca aaatggtttg ctgttctaaa atctctaagc tggcactctt tctgcgataa
 13321 gcaactcttt cttttctcaa agcccgttg ctggcaggtc atcccgttt tcatcatctg
 13381 cttttgttct gtgaaatctg atgagggtt acgagggtt cagcatctct caacagcaaa
 13441 cattgggtatt tgggtttgaa caattctttt tgttgagcag ggctttgtta gccctagcca
 13501 gcttaaagtgc cttcaaggct tcaactgtgac aacagaactg ccaccacaca tttccaaaca
 13561 catcccaagg gtggccaatt gagaaccacc ctatgatcgg ccacagctaa cctcttgacc
 13621 tcatctttct ctactcctg gctttctggc tccattccag ccacactggg ctccttgctg
 13681 cctttctcat aagcccacaa aagcagggtt ttggtggtgg ggattgggtt ggaggggtgt
 13741 tctttctcat tgtacaacca gttcctgtat tcaattccct cttttaagca cttgatttgt
 13801 ttttgatccc ttttaaattt gattcagctt ccccaactgt aaatgaacta accaatgaaa
 13861 ctaatcactg attccacatg ttcccaagct gtgcacttct accgcaggat cttccaagggt
 13921 ctgaactgaa aactgcgtct gcatttctt ttaccttcta tgttttggga aggtatctct
 13981 aaactatctc ttccaggacag aagagaaaaa ctacatggat gcaaactcgt cactactgcat
 14041 ttaaattatg tgcactctc tgttattgtt agttccttga gggcagtctt tgtaaccttc
 14101 tcttttatatt ctcaccaaat aaatgagtgc ctggaaatca taggtactca agacctccac
 14161 agcagcctcc tccctgagag attaggtggc tggaatgtga ttagacagct gggcatctcc
 14221 aggtctccac acagcagtc tttactgagt acagatgtca atctggcat gaatgtgatt
 14281 tgcaaggctc caaaacggag attggattaa atttgcttaa atttccatta ggctgtgtgt
 14341 gtgtgttatt ttttctttt tttttggctt tttttctctt aatttctaca tctgtatat
 14401 acactcccca cgttttcta aaccttttca gcagcagtc accctgtgaa ttggatgtca
 14461 tatgcaatac aaaatgtaaa tcatgttcat tagatgaaaa acgcaatttc cccctcatg
 14521 gagaaaactg ggacaacaca tatcagaagg ggcacaatat gacagtcttc aaataagtca
 14581 gtgtgcttcc tgcattttaa gctgaaatct gtttggctt aattgtgata tttgcaaagt
 14641 gtcactgctt cttctacatt gaaagatttc ttagctactt caaaatgtga attcgtgagc
 14701 ggactacctt ctccaaacta ggatctgggg aaccaatcct aattgtattt atacatgcta
 14761 aagttccctt gttctttcca ctcacgcaa acgcaggata aatataatag cttctcttcc
 14821 acttgaaaaa gcacaagttt tggagccttg agttggctgc actggaaatt agaaatgtct
 14881 ttgatgaggg acagctgtct tcatctctta gtcacaaatg tctcatttt ttctctgaa gcccttgact
 14941 tgactcatat acctggagag ggaccatggt tctcatttt ctacagctag gaacttaact acaggatgat
 15001 ggtcaggaag agaccagttt ctcctttgtt accaccattt gcttttctt ctcttacatt
 15061 cttaagtaag ataaaacctg acatttcttc accaccattt gcttttctt ctcttacatt
 15121 tgtctcaaac ataagtgtca gcaacttagt atctttctgc tatggagact cactgaagac
 15181 aagatcccaa catggcaaaa cttaagagtt ttctcaccia tagctgctat ctgcagcaaa
 15241 ggaaagagag cacttgggtg tgtagcctac cgtccactga aggagatcag tatggacatc
 15301 caggagtttc tgagtcccc agatagtctc agacgaaagt caaacctctg agatgagcaa
 15361 ttaagaacca acatttttga aactctttgt catatgggtc gcagctttgt gactctaaat
 15421 agttgtcttt ccgcaaataa ttccattatt ccacaacagc aactcctctt ttctgttctc
 15481 ttgcagcaag caagtgtatc ttactcacca cctcaatcca cccaagggtt ttcacctgga
 15541 acccaaagtg cgtaagtaat taagatttgt gttcttttgg gaaaggagta tcgacaaaga
 15601 tgtagcttgc ttctcatgtg agaaaagtac ttacatacct acacagttct acttggaagg
 15661 cctatgcatt ttactatatg taaattacaa ctcaatttta aaaaaatcta ctagcaaaaga
 15721 caccattct ctcaggaac ttgcccttat ttaacctaca gctataaatg acagggttct

FIGURE 3 (continued)

15781	ctagaacat	atactttgtc	ccataaacga	agcagtaaaa	aaacctgaat	atcttccctc
15841	caactaaaa	tacattat	ttctcagtta	aatcttccat	tcaattacaa	tggactatca
15901	ctatactatc	tgggtgagca	aaaggtataa	tttacaagaa	acttacagag	ctgaagggat
15961	gagagaacta	taacctgca	aagttgtgtg	agcatctgag	gtcctacaca	aaccagtggc
16021	ctagagaaca	ggcctctaac	ctcccttagc	ctggagtggc	cagagcacaa	gtggtctcaa
16081	cacataacag	aaagaatgga	cattttctgg	ccaggcacgg	tggctcacgc	ctgtaatccc
16141	agcactctgg	gagaccgaga	cgggtggatc	acctgaggtc	aggagttaa	gaccagcctg
16201	gccaacatgg	tgaacccccg	tctctactta	aaaaaaaaaa	aaaaaatacc	aaaaaaaaaa
16261	aaaaaaaaatt	tagccgggta	agggtggcagg	tgctgtaat	cccagctact	tgggaggcta
16321	aggcaggaga	attgcttgaa	cccagggtggc	gaagggtgca	gtgagccgag	ttcacacccat
16381	tgcactccag	cctgggtgat	aagagcaaaa	ctctgtctca	aaaaaaaaaa	aaagaatgg
16441	acatttttta	aaaaccact	atgtctatag	ctcagtecca	gccctgaaca	accacattca
16501	accagcaaaa	aattcttcgc	gatgaaaaga	tttacctcaa	agaataaata	acattaaatc
16561	gagaattcat	aagcagtcag	gagatttgag	atttttattg	agaaaatagc	tattttgaca
16621	ttatatccag	tttctcattt	atcagaataa	attctttaca	atattgatca	ccatcaccac
16681	tttagtgtat	ttgtacatag	tctctgagta	aaatatattc	acactcggca	aggctagaat
16741	attgaaatta	tggccaacat	tgcttacttt	aagattgttt	actttataaa	gaagctagag
16801	tagttgtgca	actagaacag	atgtttttta	aatgtttgcc	attcaaagat	aggcttggtg
16861	ggacaaaact	aatatgcata	ctacatacat	atattttctg	tcttctttac	tgtcaatctt
16921	tcagaacagt	aacatgacat	tacaaacacc	tcaaattccc	acttcaaaat	gaacagaaaa
16981	atggaaaaac	attattttccc	atttcataaa	attaaaaatc	aagtcagaag	agaagtaaaa
17041	ctcattttta	tgcatttaac	ttaaaagctt	gaatacacga	ctcctcctag	agagaaggaa
17101	gccagaactt	cagaagtagc	cagtgggtcca	aagaataaat	ggccccatga	ccttctctat
17161	ggttcatgac	ttactgaggg	ctgatgcaaa	ctctggcaag	ttatttttca	tgattttcaa
17221	ggatctggga	tatgtaaacy	aaatgattaa	aagacatttc	tctgaatttg	caagaagacy
17281	actgaagaat	cagaacaaag	atccaacggc	ctttcacgtg	gctacatggt	caccattaca
17341	ccacaactca	aaaccacag	gcgagctttc	tctcaaatac	acattcaaaa	tgggtgtcca
17401	aataatccaa	ttgtatacat	tgcaaagaca	cacaaaatgc	ctccttacac	acgattagta
17461	atctggtttt	agactctgaa	gtgataccaa	acatatttag	ctaaccctct	caaaattgca
17521	ggcctagtga	ggttttaaag	ttttaggata	tagaatctgc	ttagaattta	gtgaaaacta
17581	tgaaccgtag	actgtcttcg	gtaatgaaca	aaactggaaa	atattaaact	tcctttgctt
17641	tgtcactgag	caactataag	ctttctatga	tgtatgtatc	atactagctt	gtatgtgact
17701	ttagtgtcat	aaacacccat	tgcctttttg	gcacttttaa	agtacagcca	gaaaagggtt
17761	ggaaaattgt	tctggaaata	caagttgggt	ccctctgtct	catggatgct	taggaactgg
17821	gtagtctgct	gaaaccacca	gttcagcaga	cccttgtaga	gctgttcccc	gccaaactggg
17881	atcctaagga	aacaggctgg	aagagccagg	ggcctccctc	acaaatgcct	aaataaccaa
17941	catatctatg	ccgacagcca	tccctctctc	aatgccatgg	tccaaggagg	tcttgacctg
18001	tctcttccca	ttttactacc	actggetaga	ggggcaccca	acaacaagaa	acctttgtaa
18061	tgagtatgaa	ctagcaaaaa	cactgtaggg	cagcattttc	ttagggtgat	ctctcagaac
18121	ataaatccca	caagatacct	acttttataa	aaatctggcc	ggggacagtg	gctcatacct
18181	ataattccag	cactgtggga	gggtgaggcg	ggcagaatca	cctgagggtca	ggagttcaaa
18241	atcagcctgg	tcaacatggt	gaaaccccat	ctctactaaa	aatacaaaaa	ttagctgggc
18301	gtggtggcag	gtgcctgtaa	tcccagtaaa	ttgggaggct	gaggcaggag	aatcgcttga
18361	acctgggagg	cggagggtgt	agtgagccga	gatcgtgcca	ctgcactcca	gcctgggtga
18421	caagaccaag	actccgtctc	aagaaaacaa	aaacaagaaa	tccatattaa	aataaattag
18481	ggaaatgatg	tataaaatag	agggtgcttct	tggagattta	aaatgcacat	tagcgtatca
18541	aagggtctgaa	aggccaacag	taactcaact	ttgtctaacc	cactattttc	caaacttact
18601	tggccacaga	acctcttatt	ctcctaacaa	tatattctga	caaaacactc	cttcaggaac
18661	tgtttcaccc	agaaccaaac	agggtgagttt	taaaaaatat	tatagcataa	tttcaaatga
18721	ttaataagga	tacaaagaga	cttatttttc	tgtcttttgt	tattttgtct	acttattttg
18781	ttctgaataa	tcttctatca	catttccctt	tctattcaca	aaccttcaac	tcgagttacc
18841	ctttctgata	cctttgttca	agaatgttaa	ttcttatcag	aaatccatgg	cacactagtc

15781 15841 15901 15961 16021 16081 16141 16201 16261 16321 16381 16441 16501 16561 16621 16681 16741 16801 16861 16921 16981 17041 17101 17161 17221 17281 17341 17401 17461 17521 17581 17641 17701 17761 17821 17881 17941 18001 18061 18121 18181 18241 18301 18361 18421 18481 18541 18601 18661 18721 18781 18841

FIGURE 3 (continued)

18901	tggaiaaaaa	taatttttg	tcttttttaa	ttcctagagt	acctctccac	ttcaatcaca
18961	attttaagtc	agggcaggta	tctgtggctc	ctagcaaaca	ctacacccca	acaagagttt
19021	gggagccaaa	ttattttgca	aacccttaag	aacacaaaact	aaaactaatt	tatccttata
19081	tctctgcaaa	aattagcatt	ttgaacatcc	aacgaaactt	caagtttgag	gataatgggc
19141	ttactgacct	gacctttgat	ttcacgtaac	taacaacaaa	tttcttttaa	atctgggttaa
19201	gaaatattgaa	aatattgaaa	agtaaacata	aattccacaa	agctgaatgg	cagcaaaaaa
19261	tattttcttaa	catcaagaac	atatacaaaa	gatgatcatt	accacccaaa	ttatctctgt
19321	tgctcaggat	ttcagttata	aaaatagcca	aatcaagaca	aagacaatta	cagcttaaaa
19381	cgaaaagcta	cacctttctt	attaaagggt	agcatcttgt	cacactgtgc	atatggagag
19441	agaacaagta	caaggcacgg	gagaactacc	atgtcaaggg	acagagcttt	ttcaaaatat
19501	tttatcctca	gaagtaaacc	ccactaccat	agaaagaaaa	aatataaatt	agatattttta
19561	aatcacagca	tttttgactt	cctagggaaa	aggagttttt	ggtttttaggg	tttttttttt
19621	cttttctggt	aaggcaaaat	agatcttttag	atatcatttg	ttacaaacat	gagtttttct
19681	taagaatgaa	ataaaaattc	tatttaactt	ctatcatata	tttattcaac	taagttgaat
19741	actatgttta	gaaaattaaa	gttttaaatc	atgggtttata	tatagataat	gatacattta
19801	atctatgaat	ttacttttaa	acctttttta	ttttgaaata	cttaagactc	acaagaagtt
19861	ataaaaatag	ttcagagaga	ttccagggtac	ccactgctta	gcttcctttc	ttacatgtta
19921	agcattttata	tctaggtttt	aaaagggttg	aagtttttga	cagttgatga	aaaactgtca
19981	aaaaattgta	acaagcctgg	taaatgcata	tttttgaggg	aggttctaag	gaaacactac
20041	caagttcaag	taccactttt	atcacatgca	gctgccttaa	ccaacagggt	ttctaagata
20101	ctatccccct	tacctgtttc	tgcccttttc	aatggtgttt	ttccattttt	acagacttct
20161	gaaaattttta	gctttgattg	aaataagctt	ccccattcct	tcatgttaat	atatctagca
20221	atattgaata	gaaattataa	atggaaataa	aaatgcttgc	ttttataaaa	tctccagtct
20281	cgcagcaccc	ccaatataat	acaaacaaac	ttaagttgaa	atttgggttg	ttaatgccca
20341	ccttggtgtg	tcaaaacaca	gttttgaaag	aatgaccacc	ttcaatgttc	tttacagctt
20401	cttttagtggt	acttaaaaaa	aaaaaaaaaa	tcaatctgat	ggatgattga	tggtagtttg
20461	ttcatggaag	atcttcatct	tatgggaatt	atctagtttt	tctaatacata	tactaccaac
20521	aaaaataaac	acaagcatgt	tccctttta	catattatcc	tccaccatta	cttccaaaag
20581	gcattggctc	acagtattct	gtttaagatt	gtggaccatt	tatcccaatg	aactcactca
20641	aactttatct	aaaacatatc	atgacaggct	gggtccaacag	tctgttcagt	ctgaaaaaat
20701	gttctgtgct	ctgttcagat	tgacaaaatg	ttcttttttg	cggggcgag	tggctcacgc
20761	ctgtaatccc	agcactttgg	gaggccgagg	caggtgaatc	acttgagggt	aggagttaa
20821	gaccagcctg	agcaacatgg	tgaaaccccg	tctcgactaa	aaaaaaaaaca	aaattagctg
20881	ggcatgggtg	cacatgcctg	taatcccagc	tactggggag	gctgagacag	gagacttgct
20941	tgaacccagg	aggtagaggt	tgacgtgagc	cgagactgag	ctactgcact	cgagcctggg
21001	caacaagagt	gaaactctgt	ctcaaaaaaa	aaaaaaaaagt	cttttctaag	agcttctctg
21061	atgtgtggct	gtccctaaa	gtactttgtg	ctcagttaca	gcttcctgtc	atctcattta
21121	cttatacata	aatagctcaa	ctaagtaacc	caacatataa	actctcacta	aactcacatg
21181	ttgcatctta	gaaaagggtga	tctggaagca	ttatggacta	tagtgagaat	gtaaggctaa
21241	cagcagttca	aagtagggat	gacacaaaaa	caaataaatc	atattgacag	tcattccctc
21301	tactaaaaaa	gaataatact	tgttatttcta	aaatgacctc	ttttgattaa	aatttcagtt
21361	cataaaacat	tacagtatgc	ttcttttatca	aagtctacat	atcagaagaa	catgagctcc
21421	acgttcctgt	aaaactttta	acacattttt	cttcctaata	gacattagca	gttttggtga
21481	aaagaaaaat	tgacataacc	tagcattatc	ttttgacttt	gcccattggag	aaacttggag
21541	ttaaattttac	tacttaattt	tagaatctgt	cagtgttgat	atggttctat	aaatttttta
21601	ttttttttaat	ttaaattttt	aaaattttta	attcttttaa	atttaaaatt	tttaaatgtg
21661	cctgtttttac	atgtaataata	cttgtaatat	acatgtaatg	tacttgtagc	ttataactgt
21721	aatataatttc	aaatactttt	tggagggtct	gatataaatc	tgatataaat	taaaaatgac
21781	tggccttgac	cacagcataa	gcagatgtct	gatgaatgtg	ctaaccaccc	ttctccaata
21841	tacatccatc	ctagaggaca	ataaagtctc	acagtcatga	tttccaatat	aacatattta
21901	ggtttcagac	tgctggaata	atagatttca	gattgctgga	atctaataat	ctgcctttga
21961	agatgactga	cacacacaaa	cacacacaca	cacaccctgt	tgtagaagta	atgtgcaact

FIGURE 3 (continued)

22021 catgaggtac tttccctcat ccaaacagat gaccaagatt ttgaagacta ccttatttct
 22081 cacttagtta aaactttcaa gaaaaaatat ttagaatgac ttaaagactc ttgtataaat
 22141 aactacctaa atacagaaca aattgggagg atgtgggtca aacacagctg agctccactc
 22201 agctcaaatt agatgagtct ttgactaca aagctcattt tcttaacata tgggttcctg
 22261 cacgacttga taagatttgc tgagcaccac agtaatcttt taagacacta atcaaaaaca
 22321 tggttctaca ttttaaaaac ctcagaagta gttttaggac aacagaagca cctcaaccac
 22381 taaaataagc aagtttctat tataagtaaa attaccacac agcaaatccc ttaacagttc
 22441 agcaaccaat aaatagaaaa tattcattaa aagctgctat ttctgattgt tcctttgtat
 22501 tcttcgacta taagtgaaac atatgaaaaa taattgggtg tcagaaagct tttgactaca
 22561 tgaatgcat cttatgaaag aatatgcac ttatgaaaga atatgagcca agcatagaaa
 22621 acttggaaca gatgcacagt atttctacta cctggccat gggctcctcc tgagtagtgt
 22681 ctaacaagtg ggcaatttca gtaagaattt tacagcctag catagtaacg ataaccagta
 22741 cattcacttc ttctggaatt aatacaagaa agacaactga agatgtacta caaagacata
 22801 ggtctaaaaac tgccacattt gcccaagtaa actaaaagaa ctcttcctaa cctatatcga
 22861 acacatcagc aaagaccaat gttatactga aatgagtatt atcagatgtt attatagta
 22921 accaccttta atatttatct atgtgctact aaaccccaa aagattagac ttatgagac
 22981 ataattaaaa agcacattcc tctcacttt ttaaagttaa atatggtctc ttctactgaa
 23041 gcaatttatc ttttctggt tcctaaaaata ggcatacaat ttctaaacag aagtaaaaag
 23101 cctcagccaa aaagccacat attaggtatt cagcctgggc taagaaaact aagttaataa
 23161 attgaataaa ttaaatacaa taaattagga gtgcacattc agaacagaat tgtagccttt
 23221 ggtagcaac atgtgaacca aaggcaaaaa tctgccatga ttaaggcagt tctttgtata
 23281 cagtacgatg tgtttttctt ccccgcccc ccaaccaagt tcatttagca ttctctttgt
 23341 tattaataat gcagtgccaa gctagaatac aagcttccca ataataatag taaaaataga
 23401 tggcatagaa agttcctttt ggttttagagt ctctcctaat acctattatg gtatcttctt
 23461 tttgccttca cacacttggg gtaagagatt actgcaacaa tcgtttgact ttggccacaa
 23521 accatgacta ctctcagggc gaaagccgtt ggaaggaatt attttcttct tctgctggag
 23581 tcaatttaag tgttggcagt ttccgaggag gaagctgagg gctttggcga agattgtcat
 23641 ccatctgtag aaagtacaaa agatcacatc gactaatgct gtggcaccgc ttatgtggac
 23701 tgtggcctcc ccatccaaac tatagcctag aagagtacag aaccatatgt ttctgggct
 23761 gctagagaaa cctttttctt acaataatc tcaagaattc taaatgtcat acctcaata
 23821 ccagctgact cagtttctgt aaaaagcaac gtggctcatt cctgatacct tcacagaatt
 23881 atagttaatt ccacaaaata aatattctac tgaactcaac cataacttaa agaggtcttc
 23941 tgatagtaag tgtaaaagcg gtactgttac actaagctcc agtttgcaa ctatgttcac
 24001 gtacagtatc ttatttgatc ttcccgtac gctatgaaga aaaggcagac acagaccttc
 24061 tctgtgtgac agatgagcaa aacgagactc tgtaagggtta agtgatttgc cccacgtcac
 24121 aagctagtat gagagctgaa acttgaaccc aggtcttctg attccaaaaa tattattctt
 24181 tcaactatac ttctttacct caatgaaaat gacctgtatt ccaatcaaaa aagaccagct
 24241 ttttaaaaact gagaataggt agaccaaagg aagctagtac attaggcaaa aagaaagata
 24301 aattctttaa atgtaatcca gtggttttcc aaacactgga tcacttctaa atgaggtaac
 24361 ccacatcaag ctcaataaac acagtgggtg acctcaaaaa ctgttagcca gtgtcatcag
 24421 gcctcattgc cctatgagtt tgtaaaatag taagtattac tatttgtatc agggaaaaaa
 24481 aaaaaagcaa gcttatcagt tacaggggaa aaaatatgta acctctttgt atttttccta
 24541 gtagaatcac acttgaaatt tcctttgttg gttctctccc ctaccagtt cctcaatgtt
 24601 tctctcatga aaagaacacc ccaagtggca aaatatctac actggtgaaa aaactataaa
 24661 ctatatctag agcagagaag aacaagaagg agaaaaaaat aaaactttca tgtggaaaga
 24721 agaaaaaac acggtgctgt taataagaaa ggataagccc agtgcttaca atcttaagaa
 24781 acattaagag acagagaggc agacacacaa gcaagaagtg tttttgcttt gttttttttt
 24841 gtgttttttc tgatggagtc tcgctccgtt gccagggctg gagtgcagtg gcacgatctc
 24901 agctcactgc aagctccgcc tcccgggttc atgccattct cctgcctcag cctcctgagt
 24961 agctgggact acaggcgccc gccaccatgc ccggctaatt ttttgtattt ttagtagaga
 25021 cgggggttct ccgtataagc caggatggtc tcgatctcat gacctcatga tctgcccgcc
 25081 tcggcctccc aaagagctgg gattacagga gtgaccacc gcgcccggcc gctttgtttt

FIGURE 3 (continued)

25141	tttaaagcaa	atcttttggg	tttcttagct	taaagggtag	taactgtgtg	gcaaaaagtaa
25201	acccaatact	cttatctgat	ctttcccca	tcaggccact	gttggttcca	aaacactatg
25261	ttacatacaa	ctttagttaa	agtatattta	aacagttttc	tgaaaaacaa	actctataaa
25321	aaaaactaaa	agggtacagt	taatgtgtga	cccaaataac	aatatttagt	accgaaagga
25381	aaatactgaa	ctatgataaa	atgattgaag	tagacttgac	cttttcaatc	aagtgtgatt
25441	ccttattttac	aagtgtgtgt	agtttctgca	gatttgcac	taccgtttct	tgtccagctg
25501	gagagatgcc	taagaagcca	ggacagaaat	cagagaaaga	caggaaatct	ttaaagcctt
25561	taaagctatt	tagattgaaa	gaatttttag	tctaccacc	ctgtccagtg	ccccaccctc
25621	cccaaaaaag	gcaaagagga	aaaccattct	gggttttaa	gcgaagagag	ggattcgaat
25681	gctctaaaac	taaaccctga	gcaaaacgga	caaaaattta	tccactaagt	agacactgct
25741	aaccaagtgt	tctgcaattg	gccacaataa	ttagtttttt	tttttttttg	aaaaaaaaag
25801	cacagttagtc	ctcatttctt	tctcaagttt	aagctattcc	tttctcacac	ccatttcaaa
25861	taggtctttg	gtcacaacta	tctggatagt	tttctaaggc	agtaactccc	aaaaagttgc
25921	ccaccagaca	tccaaagtat	tcagaagaac	ttaaaaatac	aaattcctag	gattgatgcc
25981	taaaagattc	taatttagta	agtctggaat	aggacccaag	attttttatc	tgtcaataaa
26041	tcaggtttgc	taaccactgc	tcccaagtta	acacggttga	acattactta	atttcatgac
26101	tcccaaaacta	ctaaccctct	cctgtataca	gaatacataa	cccacaaaaa	aataataaac
26161	tgtccaccta	agccagctat	ctttataacc	tgttttctta	aaggacaatt	tcagccaacc
26221	atcccaatag	aaatttagta	tctgaatcac	ttaagcacia	ggctccactc	tctcaatgaa
26281	gcacatccta	agtaacaggt	gccctctatt	tactatactt	ccattctgat	gcaatcagtt
26341	ttcaagtagt	ggaatcatgg	cagtgtacct	cacaaaaatc	aatctgctgc	tgatttctgt
26401	tcatgcagga	aaatgctaga	agcagcaggt	aaaaatcatt	taaagtaatt	gtccatttgc
26461	attaggataa	atactgtttt	tcagcaaaga	cttaatacct	gtgggtttta	ccttttagaa
26521	gaaaatgacc	cacttcaaaag	gggtaatat	ttaaagaaca	gaagaagaaa	cgtaaaaatc
26581	cagcggaata	gataaaaagg	aaatatctat	ttatctattt	aaataagaac	taacatgaga
26641	ataaaaaatga	agtcggaaaa	acacaaatcc	ttgaagtgtc	ataaaccact	atttaagagc
26701	aatacacaaa	cttctaaaaa	taaaataagt	agtggatttt	gcttatacat	acataggaga
26761	atatgcaaac	aaacattagc	tgaaaaagag	ccagcttacc	tccaagacta	agcctaaaaa
26821	aactgctcag	gatgtcatca	caaaaagcag	agagggttga	gagctgtttc	agatgttctt
26881	gtagctgaac	tttaggaaac	cgtactttgt	aaagaggtgc	aagaaaacca	aaaacatagg
26941	catccaaggt	agaaggccta	gaaataaatt	aaggattttt	aaagcacata	agacaatatt
27001	aactgaaggc	cgggtgtggt	ggctcatgcc	tgtaatccca	gtactttggg	agatcaagcg
27061	ggggcagatc	acttgagggt	aggagtccca	gataagcctg	gccaacatgg	tgaaaccctg
27121	tctctactaa	aaatacaaaa	gaagtcgggc	gtgggtgggt	gcacctgtaa	accagctac
27181	ttgggagggt	gaggcaggag	aattgcttga	accagggagg	cggagggtgc	aatgagccaa
27241	gatcatgcca	ctgcactcta	gcctgggcaa	caagagcaag	actccatctc	aaaaaaaaaa
27301	aaaaaaaaaa	attaaattaa	ggattttttt	aagcacataa	gaaaatacta	acttgggatg
27361	gtgttttaatt	tttttttcaa	aattctcaat	tctgaattac	acagtatagt	ctcttaaaag
27421	gtttactatc	catttcagtt	tacaaaaaatt	atgcaaccaa	ggttttactc	attgagttagc
27481	ttagactcta	ggagaaaatg	aaattgtctt	tatagattca	tttttactca	caaagtgttag
27541	actggaggca	gagtgggaac	agtctgagat	gttttaaatt	cacatatgca	gcctattaag
27601	tcaatgttag	attatcactg	gtagaaaaag	tttctataaa	taaaagccca	ttaaattttt
27661	ttcttggttg	ttttgggttt	ttgacatgga	gtttcactct	tgtcaccag	gctggagtgc
27721	agtggcgtag	tctcagctca	ctgcaacctc	cacctccag	gttcaagcga	ttctcctgcc
27781	tcagcctccc	aagtagctgg	gattacaggt	gccaccacc	acaccagct	aattttttgt
27841	attttttagta	gagatggggg	ttcgccatgt	tgggcagggt	ggtcttgaac	ttctggcctc
27901	gggtgatctg	cccaactcgg	cctcccaaag	tgctgtgatt	acaggatga	gccaccacac
27961	cggcctaaat	cttggttttt	ttaaagtaaaa	aactcatctt	ttggggagat	aagaggactt
28021	gctttaaata	gctgctcact	gaatatatgt	gcacaaaata	ccaaaatgat	ttttaaggga
28081	atactcacgt	atctccaaag	aaaaactgag	atgttcccaa	tctgtttgat	agaagattta
28141	ggcactcctt	ggcatctctg	tatatctaatt	aaggatgaaa	ttatatctca	aaagtagaaa
28201	agatactcta	aaactacttt	tgaggaaggc	atctctaggt	aaactcaagt	ctgcatttta

FIGURE 3 (continued)

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31381 cctgttttga aaacagggat gacccagtat ttacaagatt gtggtattta caatgtcgga
31441 gagaagaagac ttggcacaca ggaggcactc agtaattgtt caaccccttc tcccatgtat
31501 gtggcctctg cctgcctttc cagcctcaac ctgttctcac cctcatgttc actggcacaa
31561 ccctgcttaa aagttacagt atttctgaac gtcaggtaaa ttgtgcccac cttcagtgct
31621 ggtccttcaa tctggaatat ctttcttccc tatgcagctg ctcctcctcaa aatgagctta
31681 actcaccttc cctgtgatgt ttttaccaaag ttaggagctc tgggttcttg tagcccttg
31741 tgcataatttg aattgtagct tctctcccta gctacagacc ttttgccctt cacagaagag
31801 ggctagcttc ataggttttg gacctgtgca gccacacaag gctctgtgct taaaaaggct
31861 cctcatttgg ctgatgctct tccgtcactg tcttgaaatt ctttaagttt gaacaagggg
31921 ctctgcattt ttattttgga ctgggcccct caaatcatgt agctcgtcat gctctgtggc
31981 ctaatgagca cagactaaat gtttcttgac gttaaaccctg acagtttctc agaaaaacta
32041 ttaaagagga aatttttggtc ttggaaatgc tatgatccaa acatatgact gggctcaga
32101 gttagaactt ggggtgctggg tcttttttct agaaggcaca gtagtctttc tgggacaccc
32161 tcgcagtcac gcctctgagt tcttctctct attccactga gatggtcgga tcttcttaac
32221 taaaactcaa aagaaacctc tgcaactttt cgtaaaatta ctattcaaca aatatttgct
32281 aggcactccc ttactgttta cataatcatt caaattacag tgccagcctg ctaaagtctt
32341 ttttacatgt ttcaaaacca agagttctaa gaaatgaaaa agagatatgt cagaaatgag
32401 aattcattaa taataactgt ataattggaa aatgcataac atatgtacca ttaaaactgt
32461 cgaaacattt attgagcagc tcttatgtct tagacatcat aaggttctgg aacaatacag
32521 aaatatataa aacatgaatt ctgtcctcgg gagtttacag tgcacaaagg agatatacac
32581 acaccaaggt gtaacaagtc agataatcac gtagtagggt agaaatataa gcaaaatact
32641 acagaaacac aaaggaggga cagtgcctcc tctgtgtgat cagtggagac tatctgttga
32701 gtcttcagta taaagaaagt aaagtaattc aactttcaga ttgtaatgga acctcctgt
32761 tttgaggggt agaaatgtca aaccatagac tgacaaaggc aaggcagggg gaaagaaaat
32821 cctaagccat aaagctgagg gtccatatac tacattcagg catttaaaac aatcatacag
32881 aaagaatgtg gatttctctga gccttgtttg tagcaggact gagaggagt aatgaacatt
32941 cttagtggac acataacaca gttactcagt ttggccttct tccgtactgc tgctactaca
33001 tacagtgatt tcatttgcac taaagagaaa tttaaactct tcccttagtg ttgaattgag
33061 acagaatagc atgtcattgc atctgatgaa agaactctta cacacagggt tattagtgca
33121 tagataatag caatctttta ttgctgcagt tctcttgag agtctgtatc tgttagattg
33181 aatttaaaaa actctaacat agctgattgc acaaacaggc tgaatactgt tccagagAAC
33241 cacacagaaa attgaagcct tcagaaatta tgccctggat ggtaggttg ctcctgtgcc
33301 ttttctggc tgttttagag tattgttcag agttcatcta aatcataact tcagattcct
33361 accgggaaga atactgtctg caaaacatcc atgtttgtgt gggatggcct gaatcacagc
33421 tttataatga gtatcccaga cagtgttttc ccaaaaaaag aaatcttatt tttcaaaaga
33481 tgatcattaa gaatggtttc atctgggtgat agtcatctga actcaggcaa cctgacctg
33541 gcatccatac ccaccttcca tgtgtttctt aacttgggag ccacagtgca aggtttgtta
33601 ggctcttttt gtctgggtga ttaagaatct gggaaatggt gctgttggga aagatgaaag
33661 gtttgtgaca aatgatggta cagtatatgg tcccttatgg gaaaattaaa ttgtaaagtc
33721 ttaaataatcc ctttgaactt gaagattctg taatttgtgt tcagatataa aatccttaag
33781 gaggggaaag aacaaacact gaatagaaaa aaggagagct gagttcttga cttggcctct
33841 gattagccat atgcgcttgg gccaatcatt ttacattgat acctctgctc attcatttat
33901 aaagcaaaag ttcttttate tctgagatgc tatcatttta tgtgtaatga acatttaata
33961 atttctgaca tttatggagc aatttctaca tgccagaagt tgtttcaagt atctaacata
34021 acttgcttta tctccataat gatttcatga cacaggtaac ttctaagggt taactaacat
34081 ctttgtgtcc ctccttgaaa atagaagaaa atatcagtac ccatatagcc agtaggtggt
34141 agaaccaaga tttgaacca ggaggttttg gcttcagagt ttatactctt aacctgtg
34201 tcatactgcc tcatgtagcc tctgtgtgag tccattaaaa agcccagttt caccacaaagt
34261 ggagatatca atgccatgat attattgtta ttatttatgt aaataatatt tgttttagtat
34321 tacaccatta aacgaattca ttaagcagct tctgtatgcc tagcacactg caagcctgtc
34381 agggaataaa aatttatgtt cgctgtaat cctagcactt tgggagggag gatcacttga
34441 acccaggagt tcaagacaag cttggacaac atgatgaaac cttgtctcaa cagaaacaca

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FIGURE 3 (continued)

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34501 aaaattatag ctgggcatga tgggtgtgtgc ctatagtctc agctacttgg gaggctgagg
34561 cgggaggatg gcttgagccc aggaggagaa gattgcagtg agccgtgatt gtgcaaaaaac
34621 ttatgttcaa gcttttagag gcacagttga tgaacaaggg cccacatatt tgaactaact
34681 agagactatt aggaagtacc attttgtcaa gaagacaagt ctagtatggg tttagacaaa
34741 ggcttgaatg tactgcaatg cttggcaaaag gcctaatagaa agaagatgat agctgatctc
34801 gaaggggtggg tacgttgcac tttagattggc acagagtaag gcattgcata tgggctgtgc
34861 tatataagtg aaggcataga aacaggactg actatggcaa ggaatctgaa gatgagtaaa
34921 cgaatgctgg gtttggttat aagctggaga ctgctcaggg agagtattgg ttgactaact
34981 tgagaaccag aattggaagg catgggaatt tatagttttg agaaagtaaa gacaagtaaa
35041 agtccaaata caatattagt ggatttacat agtcaaggat gggaggtaga cagctattgt
35101 tacatggaca ttataagaag aagcatttta taaaccata aactatatta aataaagtaa
35161 aagtgtgggtg gaaaatgctg ctgaatatta ttggaggaag gtcacttggc acccttccgc
35221 tgagcatttt tgatagagga ggttgttaga aatccagtgg caagggatta ctggagaaaa
35281 ggggtataaac gataaggaca ggtctaagag catgaggaat atgactgata aaggaagaag
35341 agaaatggga caggactgaa agactcaaag tttttgaaag agacgacatg gtgaatctac
35401 acacatatga ggacaaaatt ggctattatg agtaaaagtc tgaagatgct ggagagaaga
35461 aggatgggat cctagaaaatt gccctaagag ttgaggctga gatccggagc ttgagcagcg
35521 gggctggcag gcattgaaaa tgagagacat gctctctttc tgacactgga ggaagtttca
35581 aggggaacta tgggatgctg agtagataaa tcagttacct tcaaatttcc ctattacatt
35641 agaaaaaaaa taaaagtgcc tgagagaaaag agattggggc tttaaaaaga cagctgggca
35701 cagtggctca cacctgtaat ccagaaattt tgggaggcca aggcaggcag accacttgag
35761 gatcacttga ggtcaggagt tccagaccag cctggccaac atggtaaaac acaatctcta
35821 ctaaaaaaaa aaaaaaatta gctggatgtg gtggcgacac cctgtaatcc cagctactca
35881 ggaggctgag gcaagacagt cgcttgaacc cagggtggcag aggttgacgt gagctaagat
35941 cgtaccactg cactccagcc tgggcaacag agtgactctg tcacacatac acacaaaaaa
36001 aaaggcggaa taatttagag actatatcag gggtaataaa aaagtaaatg ggagcattgc
36061 tgacagtcgt aaaggtaaaa tgtaaatagc tattaaggcg ataaatcaag ggagagccat
36121 gggcaggcta atgattaggt gcctctttta acagatattc tttaaatatt cattcagttt
36181 ttttaaatgg aaataaagtt ggccccagaa tgtaacaaga tcaatttata ttttaccat
36241 ttttttaaaa gttttatttg gaaatccgga ttttagtacc acttaaaagt tggctcctgag
36301 gatgatagaa gagggatggg accctaggag ttgccccagg aattgaaaga agatgaactc
36361 tgtagcttca gcatgatggg ggctcagcca tctgacgtc tagctaaatt tgtacagttg
36421 tgtggcttcc tctaaagata ctttgttacc cagaagcata aaaagccaag ttcattgtatt
36481 tggtagctat gtgaagggtga tcaggcagta atatatactg atagggattc attttgctcc
36541 tccagcatag taaacctgct gtcttttgta tgaaaaagaa ttaaatgaaa ccaaaatgag
36601 aatattataa tctgacattg tgctgaattt atgttgagga aataggacaa ttatacttaa
36661 aaaatgaggt ttgtaaaggg tcctagggtg aaataaggac cttataatgg aagtaaataa
36721 tggaaaatac ggaagcctta tttctatact tcactcaaag tggtaaaacc taatatacca
36781 atagactgtg atgttaaata tgtatattat aatactgaga gtagccacta agagaactat
36841 acaagtgata tactcaaaaa tactaaataa atcaaaatag tttttttttt tttttttaag
36901 tccaagtaac ccacaagaaa gcaagggggc agcaggggag tgataggttg gaagtgggga
36961 ggtagtcaga gagatgagaa gttgagaata aacagaaaac aggtaacaaa atggcaggct
37021 taaatcctaa aataccaaga cttatttctaa atgtaaagtt gatctcaata caccaattaa
37081 aagacagaaa ttggcagagt ggataaaaaa cctaagctaa atgtatgctg tccctcagaa
37141 acttccttca aacatgacat tggtagatgg aaacctaaaag gatggaaaag ttataccatg
37201 caaacattga tcaggaaaaa aaaagtagta tgcgtgtatg tgtgtgtgtg tgtgtatata
37261 tgaaggacat tacataatga taaatggatc agtccacaag acaacatatt aatcccaaat
37321 gtgtgcacca aacaacagtg cttcaaaaata catgaagcaa aaactgatag aggtgaaaga
37381 agaaatagac aaatccataa ttttaactat aacataagct atagttatac ccgacactca
37441 gcaattgata gaactactgg acaaaaaata agcaaaagata tagatgaatt aaacaacagg
37501 atctaataga catttatgga atgccccacc cagtgcacgc agaacataca ttatttttaa
37561 gagcctatat aacattcacc aaagtaggct attatgagtc ataaagcaaa cctcaacaaa

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FIGURE 3 (continued)

37621 agttttttaat gaaataatgc agaatatatt acttgactgt gctggaatta aactagaagt
 37681 caataacaga aagataacag taaaatctcc aaaaacttgg aaattaacat acttctacgt
 37741 aatcagtggg tcagagagga agtgtcaaca gaaaagaaat atatacaatt gataataaaa
 37801 atacaacatt tcctattaag agaatgacaa gaagccacag actgggagaa aaaaatttgc
 37861 aaaacatata tctgttaaag gacttggtgc caaacatac aaataactct taaaacttac
 37921 aacaagaaaa caaccaatc atactggatt aggatagact gcaaateccag tgatttgtaa
 37981 ctgatatggg ttggatttgg gtccttgcgc aaatcacatg tcgaattgta atccccactg
 38041 ttggaggagg ggcctaattg gaggtgattg gatcaaggag ggattccacc cttactgttc
 38101 tcataataat gagttctcat gagtcctggg tgtttgaaca tgtgtcgcac cttcccttcc
 38161 tctctcttcc tctgtctcca gctgtgtggg acgtgcctgc tttgccttcg cttccacca
 38221 tgatcgtaag ttttctgaga cccctcagc catgtttcct gtagagcctg tggagtgtg
 38281 agtcaattaa acctcttttc ttcataaatt acccagtttc aggtattcct ttgtagcaat
 38341 gtgataacag cctaataaag gtgaccttat aaggaaaaag agacatagca acacagacgt
 38401 agaccagac ccaaaattgg tgaaatctga atgaactctg tggtttgtac caatgtcatt
 38461 ttcatgattt taatatcgta caatagttac agtagatgtt acaattgggg gaaacatccc
 38521 tgtacattta ttttacaact tctgttgagt ctatacttaa ttgaaattag atgttttta
 38581 aaagaattaa aggtaattga atggcatgtg atgcaaaaaa tgggcacatg aaatatccag
 38641 agcattcaac cagatggcag ctaaaaatgt ggaccatctg cttcatgga actttgtatt
 38701 tcggacatct tttcatcagc aagaccatgc catttaaattg ttttccaga agtgatgctg
 38761 agctatgttc agtggccaca tggctctcta gaatcagtaa caatgaataa ggatggacag
 38821 ccgggagtaa agatgctctc caggaaatca tcttaggact gggtaacccc actacacccc
 38881 tgggattcag tcaaccttgg aatcactgag aatccttaat ataaactaca aacaatccag
 38941 cattctctgt ttggctaaag atacatttca aagttttctt taagaaaaaa aagcaatata
 39001 ttaaaacgct ttgtttgaat atatgtatat ttgctggatc aatagttctt acagccatat
 39061 tactaaaatt aagggtctatg gcataataag aattactata attctaaacc cattaacagt
 39121 ttatagctta tccatttctt atactatccc tgtgaggaat aattatatca agctttattt
 39181 gtttacacca aacaggaaaa aatagatgta tttattcata tttctccat tggattagcc
 39241 aagtctacta gggagcaaaa atagtaaatt cacatgcctc ctttttttat ggtagtaatt
 39301 gaaaaagtta tggatatgat cccttttct gaaatgttta aaaatgagtg tataaaatga
 39361 tcttatttttc agaacttaag tcattatgtg tattgtttat agggagttat attacttttc
 39421 cagattaata ggctgccatc gataatgaag aacaaataaa tcttgcttg tgaaatgctg
 39481 ccatttttaa atttgccctga ggaaagattc attattggag gattcttttc tttatacata
 39541 aatcgcttta aacagcaaaag tctcctagca tttaaaaata gtccatatat aaaaattctc
 39601 tcaatccaca atcatgtcag ttgtgtaaaa tgagatatat ctggctctgat acctcagttt
 39661 atggaaaatt ctcttgaaat gtcagtcatt actcacatca gtgcttttaa tgccatctta
 39721 gcaaaactaaa agaaattagc gtacattttg agtaatggaa gtgagttagg aagaggaaa
 39781 aacagggtcc aatgagtttg aaatggtgtt tacagttggg tattgttcat agcttttga
 39841 actgtcttgc tttccctatt catcaagggtg ctgaggcaac aacattaaaa tcaacccaag
 39901 aagtatactg agtaggtata tgggagaatg gcatattaac tcttgataa aatgtctcag
 39961 tatgtaaata cttatgaatt attattaatt tatattactg tacttacacc atttgattac
 40021 acctgcataa agctgcatac tcattttttac ttcaaattgca ggaactaact cttatatccc
 40081 ccacagcatt tagttggcac ataatagatg cttatagttg atggacacaa aacatattca
 40141 actattacaa gaacagaact tttattgctt cttcagtttc aaatgtctca aagttaccct
 40201 ttgcttttga ccacaaagtc taccctcct tatggtagtt tctcaggtg tctgtgtcct
 40261 ctctttccat tgcattttct tctcccatc ctaccagta actggagtct tctcctttt
 40321 gctgccccct gactacaagg catttccatc ttttggtctc ctaatatgtc atgccttctg
 40381 ttattgccac cacagccttc catttcccag ctctcatttc catcctaggg atgggacagt
 40441 aaggctgtca tgaataagca taatttatat gcctttttct ccatttgttg gtatggataa
 40501 ttaagtgacc ttcaactttc attcaagggt aatcatagcg ctgaaaacca aaaggataag
 40561 atgagagtga gcaaatcaag tccagagagg tgtatttcca gtgtggaaca gtaactcagt
 40621 gtaaatatcc aggagagagg cttccaagag agcgtatgtg tgtgcactgg tgagggagg
 40681 aagggttacg ggcgggaatt gtggtagaag cttcctgagg ccaaagaaaa cattccaga

FIGURE 3 (continued)

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40741 ggggtctctat tttaaagaaa agatttttctt tctctgattt tttttatatg tagatgtctt
40801 cattatatat ttggacctgt ttttaaaaca gcttagtttt agattttattc ttcgagataa
40861 cttgtaccta tggacatcac caacagctta caaaaattag accagttgac tctcaataag
40921 acttctcacc tgatccatga gcatcatctc tttatttgga tttcataagc cagatgatat
40981 cttaaaattg gcaaatataa ttacaactcc gttgaacata tttttctcca gaaaatgttt
41041 tgagtacaaa aacgacatct agaggtgact gtcaatatat cttttctttg cacgtactac
41101 atattttgtt cctgtgtttt gaaatatatt agaagtttgg gtaacagaac cggcagtggc
41161 atttattgaa ttcttctcca caataactga agggatagta ttatactcgt tttgcagata
41221 taaccctttc aatccaacta atattttatta agtttactaa atgctggcac cagtgatacc
41281 aagatcaatc agatgtagct cttgttactg aatggcgtac atggaggaga taaacacagt
41341 aacgtccact cttgtgtggt gagtgtgtgt ggagattaat taagtgttat gaggttatag
41401 aagaggaatt attcaccat ctgcagaggg cttggggatg aaacagtgtc agtgaagcac
41461 tcctggagga ggtgtaccag gggaggtgtt ccagacagaa aacagctgaa gtaaaaacat
41521 ggaatagagc aatagtatat tgtggtctga gaactacgta taattcaaca tttcaggagg
41581 gtaaaagtga cggtagataa tgatgagaaa taagactgca ggcacagtca gaggcctatt
41641 tacccacaca aaggaatttg gagtggagg caccaagggg aaatatcttg tttcaaaaag
41701 tgattacatg aggatttttg cccagttctg tttgtctcca aagccatgat ttttacctta
41761 aacctatatt acttcataga cattcttcaa attaaccatt taccaaagat gtaataaagt
41821 tataagaaga aaaacaatac taatttggaa gataataaaa gcattatttg gaaaaagcca
41881 gtgtagtatc tctattttca atttgaactt tgagtccaat gattagacat tttctagtcc
41941 catattttat accataccat gcagtctgct tttgttaact atcataata gtgaaatgac
42001 aaactgacca gcactaata ctgggggttac actggtgggt accctacaac aggcgttttg
42061 ttcttttgga tctaaccact accttcagta gctgcctgac aaagtgtga atctgaggcc
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42241 tcaactaagg tgactctcct gccctaacc cattagcatg tcccaaaaag aaacaggaga
42301 ccaaagacct ttgccttgta taacagtcac gctgcctcgg aaaagctggg aagtccctc
42361 ccagtgacct catgctctat cctaattgtga acgatgttca tgctttttca tcaaatctt
42421 taaatagaaa ggggtgcagag aaagtcaact gtaatcactt ggtgcagagt gcaggagag
42481 agagcatttc atattcaaga agaaattgtc caagcagtaa atggcattgt ggtgagctc
42541 gtaattggag atagtagaga aacactggac agctgaggaa actccagaag ggagaaaaaa
42601 aaaaaaaaaa aggaaaacct aagaacaaaa taaaagagtc taaaatttac acagaatcag
42661 aaaaagactt ctgaacaaaa tagcattgat ggtgctggga aacttaatta gtgcataccc
42721 cttacagcag gaggtgggta gaggaactgt tatgttaacg aaagatcatt tgaaaaaaa
42781 aaaaacaaaa acatgtttgtc tttctcttta aaattttaac taaattccct gattcttaac
42841 agaacagggg atatacattt ttcactaagg aacaagtgtg ttttcttaa atcccatatt
42901 atgatctgtt acaggtgagt gggtggaag tagaatattg tggttaactc ctgggatgga
42961 gaaagggtag gggaatcgat attattaaga gagggatata ggagaggctt cagtaatttg
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43081 cctttataaa tgcctaaata ctacaaacat ttcataaact tttaaaagt aattggagat
43141 tcgggcaata tttagggaaa tgagagggcg caagaaagag atcagagggg cagaggatga
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43261 gtgagctttt ggaaggggta ggttagaggt cacatcatgc tgttttctt atcaattctt
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43501 gagtatatat gtatgaatga acctaaagca gctctaaact actcccttt ggggacagaa
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43681 atttatcatc aaaagccgct tgttgagagg ttctggagaa gctcttcatg tatcccggtt
43741 tttaaacatt tttctacaag tctgtttctt taaaattaaa agtgtagctg agcacagcga
43801 ggatctggta gtaagtagta gggaggggtc ttcatacttg ggatgttgct aatgtgacct

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FIGURE 3 (continued)

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43861 gcatgattca gggccagaga ggtgaatgaa gataaaggga actaagcggtt acagccaaaa
43921 ggggttctgaa aatctcctag tcagattcct cagtttccac atttgacagt agcttttcgca
43981 gggaacccca tccaccatga ctgagctgaa actagaagcc aggtttttca ggtgtcattc
44041 aggggttgatt taggggttttg gttttctcct gcaaaatgga gaaaatggga aaatttttaga
44101 ttatccatgt tagaaggatg atgaatgtgt gtaaatgata ttgttcagat tctgtgagtg
44161 ggaccagcac catattggac tggcctaggg aagtcaggat tctgccttct aggtagggtgc
44221 tcccatctgt tggtgacctg gaacatctct ctgtgttcat tctggagatg cagatctggg
44281 tcccgagac tcagaccttt gcaggacact aggggtggccc cttgttgctt ctcatctgct
44341 atagtctcct gccactgtgg cctacgggtt tgatttagaa attcaggaaa gactagaagc
44401 aagcaaacag ataaaagggtt agtgaagtgt ttatccacta gagcaaagcc acaacttttc
44461 gtattattta gctcttatta ttctaaattt taaattgttt tttattgttt cacttaccat
44521 gtgtaacttt cacttttcaa ttacacatgg caagtgaag aataaaaaac aattttattta
44581 ttttttattt ttattttatt ttttgagaca gagtacgct ctgtcaccca ggggtggagtg
44641 cagtggcggtg atcttggtct actgcaacct ccgcctcccg ggttcaagtg attctctgc
44701 ctacgctctc tgaatagctg ggattacagg caccaccac cacaccggc taatttttgt
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44941 gaaaatgaca gtaattaaac aaaggtcaca cggaaaagtt gcccttgata tatcttggga
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45061 atgctactaa acagaaaatt cagaaaacat tgtagatgtc ttccttttac gctaatatc
45121 tccagctttt catacatttg caaaaagaaa tagattatgg atttctcaag gtttagccgc
45181 ttgttatttc cgtgtgtaat acaataaagc atagttaaag gtaatttaa ttagcaaatt
45241 tgcagttatc tgaattaaat gtactccaaa tttagtttac aagacctgac aagtttgtga
45301 ataagttaat tcacttctaa tgtattttaa tataccaaa ccacaaagca tcttaaactt
45361 tgtaaaaaga gtgtgcacgg aggaatgagc actagatgtg aattctagag aactggggtc
45421 caggctctgc tgtgtatttg cctgagcagt tcacttaact tccctgagtc ttggtgtcct
45481 gttttgtata aaggggaacc tgatccctct tctgcctggc tggcagagca ctgtgagact
45541 ctggagaaat gacatatgtt agagatgttt ataacctgga acacgggtaca cggtatgttt
45601 tgtttgtggc attttttttt tttttttttt tttgagacgg agtctcactc tgtcgccag
45661 gctggagtgc agtggcgcgca tctcggtcca ctgcaacctc tgcctctcag gttcaagcaa
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45781 aatttttgta tcttttagtag acatgggggtt tcacctgtt gccaggatg gtctcgatct
45841 cttgacctcg tgatccactt tctcagcct cccaaagtac tgggattaca aacgtgaacc
45901 accatgcccg gcctgtggca ttgtttttta actaaagcat gtattatagt tttcctgaaa
45961 agtaaagatt tccagaaaag gaattgggaa actcttttac cctcatagt ataaaaatg
46021 gaggtttcct tctccagggt tggtcagctt cctccttgat atgggttggtc tttgtgtccc
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46441 ctttggttgt cttgcccact actgtcagat tggacacttc tccacactgg acctcaacat
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46561 gtctcactgc cattgcaaga gctgggttag aataaagggg gcagggtgga tgatgaagga
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46741 taaaaaggaa ttttaaaaaa gaataaagggt gtatgctgtt cattcattta ataaacatgt
46801 attgagcacc aactatgtgc caggcactct tctagatgcc tgagggtgat aaatgaacaa
46861 agtggacaaa aattccttcc cttgtggagc ttacactcaa gaatatgaga ccaaggagat
46921 acagtctcag aaggagcaga gacaagggaag agtcaatgat gccagtgaa caatgggata

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FIGURE 3 (continued)

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46981 aagcttagga gtgttcaccc tcattcataa ttccatagcc cataaacgtg cagaccacaga
47041 cttgaccata atgtgactag atactaacag ggagtaatta agtttatttt ttccatatga
47101 atttcacaga catatacaat agcatgggta aaagaactaa attaatTTTA tggtagtaat
47161 tttttccaac tctgatattt tgtgtcagct cctacttgtc ccagccatgc ctatctgtgg
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47641 aatatcattg tttggggcat tattgtcact tttcttctac tgatgtggat ggcatgttgg
47701 attttatgaa tatcaattat tcagattcct ctcaaatagt aattagttgg ttttgagagt
47761 aattaaggca atagatgtct ctacaagaaa agagaatgaa agaccctgat ttgtgtattt
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48061 tccagctaca atcagtggtt taaattaaga tgtaaatgtg ggtctaccag tgagaaacta
48121 aggcaaagt ctccatctaa gacagagttg ccagataaaa tataagatga tgcccactta
48181 aatttgaatt tcatatgaat aacaggtaat tttttcttat aagtaaaaaat ttcaagctta
48241 accgggcttc ccacattatt gttttttttt aattttgttt tgagatggag tctcactctg
48301 tcgcccaggc tggagtgcag tgacacgac tcgactcact ggcttcccac atttttattt
48361 gttaagtatg gcaactataa tctaaggagc aaaatttgct tccaaacact gcccctgaat
48421 aagatccaaa gtacatatga tagccaatta atttggaata taccctaata caatttcaaa
48481 tctcacagag gcagggtttc tcaacattgg cactattgat tttggggcag ttaattcttt
48541 gttgtgaggg gctctcgtac attgttcaat gcttaacagc acccctcgcc tctaccacca
48601 gatgccagta gcataccctg gttgtgacaa ccaaaaatgt ctagacattg tcagatgtct
48661 ggtggggagg gggtcacaaa atcatccctg ggtgaggacc cctgttctga gggagaagc
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49021 acagttagta cagagtctgc tgatttctgg aaaaggagtg ttttatttgg atagcaataa
49081 ctgaaattcc aacctagacc acctagctga ataattatat gtgtgtgtcc aaaaaacaaa
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49261 tatgaattta ttttgctgtc taaaccaaga aactaatgtg gttatacata ttatggggaa
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49441 tcaaatctct tgtgattgcc agattggagt gaaaaatcaa atctacttcc aatgaagaaa
49501 aactcaaaaa aaaaacagtg attcaaacaa gtttccaaag agaatacatg aacttcttat
49561 tctgccttta ttaattgaca tctacaattt tgtatttttc tcaggataat gcaaaaaaaa
49621 ttcttttgaa tcattctcac taaatttagg ggccaagtgt cctagctata ttgtttttta
49681 aaaaaagtta tgttaaagca gccagacttg gtggctcaag cctgtaatcc cagcactttg
49741 ggaggaggaa gcaagaggat tgcttgaagc caggagttca agaccagccc aggcaacata
49801 gtgagaccct gtttctaccc acaccctacc cctaaaaaaa aattagctgg atgtgctgtg
49861 agtcccagct actcaagagg ctgaagcagg aggattgctt gagcccagaa gttgaaggct
49921 gcaatgaacc atgattggac cactgcactg acaaagcaac tcagttctga tctacagttc
49981 attcttggat aaacataata cacaacacct agaaatacag caaaaaccca ttacccttaa
50041 gacaaagtcc agaattcctta ctgcagtcta caaggctcta aattatctga ttggagcaga

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FIGURE 3 (continued)

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50101 ctacactttc cccaactcca agttatatgc taagctgctc taagttagag atcaaaaaaa
50161 tagagtggct caaatgagat caaagttgat aattctctca cctaccaggg tagaagtatg
50221 cagtggtcag tggttcagag tttgtggaaa gtttgatcca tgaagccatc taaataaggt
50281 actttgaccc aagtactttc tatcttgttg ctccccaccc tttaagacat tctctcatc
50341 cacatgggtca aagctcactc accactaccc tctactctgc ccaatctgta gaaaggtagg
50401 cagagaggcc agcaaatagc tttcttttaa atttgtgttg ctgggtgggt cccccaggaa
50461 acagactctg agatggagat tagtgtacag gaagttcact atggggtgct ccatgaatta
50521 tcacccactg gaggaaagga aggaagcaga actgggaaga tggaaaagtt aagctgcagt
50581 acagtcacaa caaggtctca tccaaattga tacggggcgt tgaagctgag ctggtccttc
50641 agagctggga tgagaccaga tattggctgc aagccattcc aggaaagga tgtgacctg
50701 aatgagatga cttttcttag ctgaggcaat tctcaaaggg agctgtcagc cagtgcctt
50761 gcagttggac agatggcagc acagcagagc atctgggaca ggatgtgacc tggaaatagc
50821 attgatattg tttggctgtg tccccacccc aatctcatct tgaattccca tgtgttgagg
50881 gagaatcca gtgggaggtt attgaatcat gggggaaggt ctttcccatg ctattcttgt
50941 gatagtgaat aagtctcatg agacctgaca gttttaaaag ggggaatttc cctgcacact
51001 ttctctcttt gcctgctgcc atccatgtaa gacgtgactt gcttctcctt gccttctgcc
51061 aagattgtga ggcttcccc a gccacgtgga actgcaagtc cattaacagt ctttcttttg
51121 taaattaccc agtcccatgt atgtctttat cagcagcatg agaacagact aatacaaggg
51181 taaaccactt ccattcaccc ctctattatct agaattgtcta gaacagccac catagttgcc
51241 acggaggctg ggaaatacag tctctagcta ggaggcccta tgcctagcta gcactaaaag
51301 gaagaaggga gaaggatcac tggggagcaa tcacaagagg gaaggaaaat cattctttga
51361 tttgttcagc ttattgactg ttgtagatca aaaaccactt cattgaggaa agcaaccac
51421 caaacacaga agcagaaaaga gagctaaaaa tgggataaga acaactgaga aactgcttat
51481 ccagtaatat attttaaaata gtgaggacta caccaaaactt aggtaggctt cagaatgagc
51541 cagggacaac tcccagaaac tctgcaggaa ggggctcctg aggacacacg tccaaacctgc
51601 acctgaaacc ccaagtcaca aggacaactg atatttagat gcttttcttc ctaagacctg
51661 ctacatatca gaaaaagtca cttaaggtaa aagataaaat atgctgagaa acgattctgt
51721 ttcttaaaaa aaaagaaaaa aaagaaaagaa agaaacccaa acagtaattg tattgaccca
51781 agaaagcact attaaaatgt atcactttct gttagtgttg cttggatttt caacataata
51841 atgttctgtt taaaagaagg agaccaaagt atgtctatta cctgaatgac agaataattct
51901 gtgcaccaa cccccatgac atgcaatttc cttttatata acaaacctcc atgtgtaccc
51961 ctgaacctaa aataaaaatt aataaataaa taaaatttaa aagtaaaaat aaaaataaag
52021 gaaggagacc aagaaatact taagggccca ctcccttctt ttctgaacaa aatagccaga
52081 ccagcctctg ccactgattg aaccagggtt tggaactaa cataaagcag ccaccacctc
52141 taggatgagc ataagattat cagtgcctg tgaggaaact tggtataaaa actctgactg
52201 gtagtgacac tgtatgaggt agtgtgggca tctaaccaac caatgtgggt gtctcttgtt
52261 ggacaggaga gggatatgtg tgtgtacaac aggaaaaaca cattaaaact ctgaaaaccc
52321 aaacagaggg agtaggaggg gccataaaat gtctgacttc tcaaattggt gatgagctcc
52381 tagaggtgtc cttggtctct tccccagagg caaatttcaa ctagagggtt aagctaagaa
52441 gcttatcaag actcagggtt tctcactttt cccctcacag gccactcca aggctctgat
52501 ttcttgggct ctctttgcct tggcttctg gccatcagt tccatcactt gagacaatct
52561 gagtggtccc acaccaaaca cctgaaatac acctaaataa aaagcctcat cccatctgca
52621 aagtatgctg gaactaagat ccagattcac aactcaggaa atttactct acttaagtag
52681 tggcattcta tcttcagatt aaagtgtgtt tgaaaatctc taccctact gactggggct
52741 gtcacacgag gtcccaactt gccccgtctt gggactctcc tgcacagcac ttgactctgc
52801 tagacatcct ctctcctctc ccctgtgccc tcatcccat catctcccag aaactcagt
52861 ctggaacaca tgagacttct cagctgcata tcggcaaggc caagggatcc tcaaaaacaag
52921 gcaagtttct gccctctccc gccatcaaaa gtgtgtaatt tctttgtttt gttttttgtt
52981 ttttgttttg ttttgttttg ttttttgaca cagagtctcg ctctgtcacc caggctggag
53041 tgcaatggcg caatcttggc tcaactgcaac ctctgcctcc tgttttcaag tgattctcct
53101 gcctcagcct cccaagtagc tgggattaca ggtgccacc actacgctg cctaattttt
53161 ctatttttag tagaaacagg ttccaccatg ttggtcaggc tgggtctgaa ctcccagct

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FIGURE 3 (continued)

53221	caggtgatct	gcctacctca	gcctcccaaa	gtgctgggat	tacaggcatg	agccaccatg
53281	cctggccaaa	tgtgtgtaat	ttcttaaacc	caaaggggtc	tagccaggat	cctgcattgt
53341	catattttaa	gaataaagtg	atatctccat	gaagggcccc	actttgagtc	ctattttatgt
53401	ttgcctctgg	gatttagctg	tagctgggca	tgtgtgatag	tgggtagggtg	acagcctgcc
53461	cagggtatat	ttgcaccctg	gccatgtagc	atggggttga	gaaagcaggc	tccagtattc
53521	cacaggctctg	ggtttaaacc	ccagctctac	catttattag	gtttgtggcc	ctggaagagt
53581	ctgtatcccc	tctaagactt	catctcctcg	tttgtaaaat	agagatataa	taatactttc
53641	acaaggctat	tgtgagaatt	aaatgatgta	taattcgttc	ttggcatagg	gcctaaaacg
53701	tagtaagcac	tgataaatga	cagttctaata	agtagatacc	ccataactaa	gcgtctttga
53761	aggaagttta	ccataaggta	agaagaaagt	caacttgatc	cagtaacaaa	acccagaag
53821	gagagattcc	agacatagct	tggagcccag	ctcttggtca	tgtctccttg	cccagcttgc
53881	ctgttattca	tactgagtc	ccatgtagag	gtgggattgt	aagtaaattg	tgaaaagaat
53941	ggtttcagta	aaaactcctt	aaggctttgg	gatacagcac	agtgttgtct	tgataaccac
54001	accaccactt	cctacaatac	atatgtccca	cctaaccagg	aaagagataa	cgtctcaaac
54061	tttgctttaa	atgctgcccc	gctttggaat	ctcacagtgt	ccaaagcatc	agaggatact
54121	caatggatgt	aacggtggcc	tccaacagat	atgaccatgg	tcttcagggtg	atgtgccaat
54181	ggtatgtagt	agacacagct	ctgggtccca	acagaggtag	tgatgattcc	agcagtcagt
54241	acagtgggtcc	ctcgcagatg	tgggtgggac	tctggaacaa	gcagaataat	gttctgtgga
54301	tacagcagga	cccttggaag	catcaacatt	ctcagactga	ttgagatggt	agggagtcca
54361	gatattctctt	aggctcagca	aaagtggtag	tccagcccaa	ggatgtgggtg	ttagccagta
54421	gttgggggaa	gagagggaga	aagtgtctga	taccatggag	tagctgcagg	tattttattta
54481	tgaccatgtg	tgggttatag	cccaaggtag	agacatttgg	ggtatgagga	atgtgaagaa
54541	gagactttga	attggacaag	agtgaggaaa	atagccaagg	aactatggag	tatacttcta
54601	ttacctgggg	tcaccataag	cataaaaacta	agagcttcat	ttacagccct	gtatttcaat
54661	gagaaaagtgg	aaagagcacc	ggaccagcag	tctggagAAC	caggtgttaa	tccaagtctg
54721	tcacttaatt	tcttcaaacc	ttattgtgta	tagaaaggag	gaaaaagagt	agcactcaat
54781	aactgacgtc	ttttctttga	taattttatt	tcatacactac	cagattcaga	taaagccaaa
54841	gtcttgctaa	cactccttgc	cagttgaaat	gtggtgactc	tcaaaaactt	ggaaatgtca
54901	ccattctggt	aagaaatctt	ttaatggaaa	ctttacatct	tctaaaataa	ttaacattca
54961	gtactcaacc	ttagaacatt	ttccaaattt	agatgagaag	agatgaagca	aggaaaaaag
55021	gtgtaaccct	atcatacttt	tccttttggc	gttgaaataa	atatccagtt	aggggatggg
55081	gaaagttttg	gtttctttag	tactgagttg	gtggcagcaa	gagctaagta	ggggctgagc
55141	atctcaggta	tgggtctccc	ttagatgagc	cagctatcag	gttctgccaa	ggtgagtatg
55201	cccttggtgg	gcttgcaagg	cctagtcagt	gtgggagacc	ctctataaag	gcctacaagt
55261	acttagggag	gtaagaggac	acccctcaca	gggctgaagc	ctgtctcacc	tttgagggca
55321	gtgagatcac	cagtatccct	gtgagctgta	taacaggaag	gataagtcca	tgttctgggtg
55381	ccgatcccta	tgccttttgg	aacattttctc	cctctgataa	gaaacctcct	tataataactt
55441	tgtttcactg	gaacaacatc	atcctcatca	ttagtaaaat	gattgctggt	tgtcaacatt
55501	cacggagaag	gtccctgggg	aaggtcagct	gttgacaggga	agactggcat	gctggctccc
55561	aaggcaagtg	ttcctttcca	tgatgaaggc	accagggacc	agggtcaggc	cttcagtctc
55621	agagatgcag	aaactcttgt	cagtgcctga	aagaagctga	agaataataa	gcagactgcc
55681	aatgttgta	ttaaaaggca	aggtatcttt	tacgaggtga	gcattagcat	cagcctggca
55741	agtacattct	tagacaaact	gcacggaagc	caatttaaca	gaaagtgtct	tggcaagcaa
55801	caaggggtgat	gtttaatggg	gtcagcctat	aattacatga	tgcattccatt	tccaccatgt
55861	gtttctgtct	gcctcttggg	ccagaagggc	tgtctttggg	gccaggaaga	ccctccctg
55921	gacagtattc	acgcattctac	tgcagactt	tgcctcactg	actcttcctg	tgtcacacat
55981	tcccaaaccct	caatgactca	ccaattccct	ttctgattga	catgggtcttg	ccttaaacgt
56041	gttgatgtct	ttaatcaaga	cagattaaag	tgaagtttct	ttttctgga	agatgtgact
56101	gcatactgtt	ttgaccgatt	atatgtgctc	agctggcaaa	gggctatgtc	ccttcatagc
56161	ctaattcttg	gggtcaccct	attgttgctt	tcctcccata	taacacctac	actgtagtgt
56221	tgaaatgtca	tcatgtttta	ttttatttca	tttttatttt	ctgtgttctt	tttctgtgtt
56281	ccactgattt	ttttgagtgg	gattggtctg	cgaaatggta	ttatttttag	cacaaaatga

FIGURE 3 (continued)

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56341 atccagtgag acaaaatctt gtaacaaatt caactgtttc actgtatgaa agcagggcag
56401 gttcttttact gatgacaatt tctgtttgag aaaccaaact gagttcttca taaatgatga
56461 acaaataata tacacatatt attgtattta ggattatagt attgctagcc ctaaaaaatg
56521 atcaatgaag tattggcaat gtgagggtgat aattttttgt ttctcctttt cataatagat
56581 tttgctgtgc ctgttagtga tttgcaactgc ccgcagctac ccaaaacctc aagcatagac
56641 aaactgctta aaattccaac gtttgatgaa ctgattcaaa acggatagat taaccctaac
56701 cacactccct gtgctgacac taatgaaaaa acaaaacagc aaaagagttt ccacttccca
56761 gatgtcaatc ttctatttgc tttaatcatt ttatatttat ttattgatcc attcaattat
56821 gttgggtttat tcctacttaa gttgttccaa agcatttaag acagatgata agaacacaag
56881 ataaaaatca ggatcaagaa aaataaaaaat aaatgttaga tgacaaagat gggaggaggga
56941 attagaatta caaagatgtg tagaatgcta gttcctacat aattattaaa atggaggcca
57001 atgttcaagc tgggcttctt ggtggcaaaa gcatacatga aattataata ggtacaaaat
57061 aataccgtaa agaaaacctc cccaaataaa gaaagctttt tcttggcact cgaatctgaa
57121 agaaattttt tatttagata agaaaatctc agtgatatgg ataacacaat accacaatac
57181 aatctaacia catgcaaccc aacaaaatgt gtgttttttt aaggaatttt gttctttgct
57241 caatttcttc catctactaa tttttaata atgcatectc tgtctgttca tttgaggtta
57301 acccaaatat tttaatattt aataaaatct aagtttaaat ctttttacct gcttctgaaa
57361 aatacaaggg gattataaga ctaatcaaat tgcttcccat gccactttat ttgttgtttt
57421 agttgagtggt gttagtctta ttttgctttt taattctaca aattaaacac tattattatt
57481 gtcataacca ttgttttata tggccagtggt tgaagtgtat ttatttataa atgtctttgc
57541 tcaccatttc ttcttgaatt tcagactttc aatttggatt cattttctgt gagcctcaag
57601 tatatccttc gaaattttct tttgtgagga tctatactca gttttgtttg tcttaaatgt
57661 cttttatttt actcttattc ttaaacgata tttttactaa tctgtgggatt tgggattgat
57721 cttttttttt ctttgacacg ttgaaaatga tattctggct tccattaatg ctgttggaaa
57781 cactgctgta cctctaattt ttattccttt gtggtgattt gttatctttg gctactttta
57841 agatagatcc tctctttgac ttgtttgttc tgaacttcca ctctaatgtg ccaaggaatt
57901 attttatttg tatttatctg cttgtgattt ggcttatcat ctttcagcaa ttctgaaaaa
57961 ctctcagcca ttttctcttg gaatattgtc tcttttccat tctttctact gtgtttttcc
58021 agagctccaa ttaggtgtat ggactttttc aaaaactctt tctttttctc ttattatatt
58081 ttgaaatctc atttctctgt actatatatt atatgatttc ttttagattta tcttatactt
58141 cactagtatt ctctttgtgt ccagtctgct gtttaattca tacattgatt ttaatttaaa
58201 ttatatttcc atttacagaa gttccagttc aaatatactt tttttttttt tttttttttt
58261 gagacagagt tttgctcttg tcaccagggc tggagtgcaa tggcatgata tgggtcact
58321 gcaacctctg cctcctgggt tcaattgatt ctctgcctc agcctcccta gtagctgaga
58381 ttagaggcac ctgccaccac acccggtcaa tttttgtact tttagtagag atgggggtttc
58441 accatgttgg ccaggctggt ctcaaactcc tgactttagg tgatctgccc acctcggect
58501 tccaaagtgc taggattaca ggtgtgagcc accgtgcccc gcccaaatat acttattttt
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58621 taagtatatt tattgtatag tttacttctg atatttctag tatctgcaag tctgtgaaag
58681 tgtgatgttg ttgtctgcta tttcctctgg ctcttacttg gtgtgccttt tgcctagat
58741 actttgtctt tgtgtgttgg gaggggagtt catgttcttt agaattgtat ctgcaggatt
58801 ttttgagaac tgggttaaagt tgggtgcctt cagaaaggat tttcttttac ttcgattgcc
58861 tgggaggact accagttctc tctgtgattg tttttttttt ttttcttgt catgctttcc
58921 acttccactg catttctcac tggctcaact atagtagcat gaatttggaa ctacaaaacc
58981 acaagaagca acatcaacta tgaagtatca ttgataaaaa tatttaactt gaatctaact
59041 atgagaaata attgaccaa tcaagactat aggacagaat ctaggacatt ctatagagcc
59101 tggattcttc aaaaaagtca tacacacaca cacatgtacg tacaccttaa tttataagat
59161 agaaatcaaa agaaactaca gagatgaaca gcccaatgca aggcattgccc ttcattgatt
59221 tctggatttt ttttaagtcat aaaagatatt tgggagtcac ttaagaaaat tagaatgcaa
59281 actgtatatt aaatggcatt atggaattat cattactttt cttaggtgag ataaggatat
59341 tgtaattata caagagatgt cttcatctta ggagatggct gctgaagtat tgaagggtaa
59401 agtgcctctg gcttataact ggctttcaaa cagacaaaaca aaaaaagctg gtccaaaatg

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[illegible]

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FIGURE 3 (continued)

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62581 ctcaaaagtc ataaatacgt tcataacaat gtggaaatag ccctgttgac aagtgcagta
62641 catctctttt ttcattgcttt ttaatttgca aggacatttt tatataagaa gcagggtttct
62701 aaagccaatg tcattcatgg tttccttttt agtgtagtgg gcttgggatc ctcgaggatta
62761 gactactgcc tgaggatggg ccactccctt ttactcaagc ctcccccttaa gatttaggat
62821 agacctttcc cctggataac tgagtagggt atcatcaatt tccttagttg caagaacacc
62881 agcctcaatt atttattaaa gaaaaataaa gaaaaaggta aacagacatg attctgcaaa
62941 aaacaaatct cagaattata acatcacatg aaaaccaggt ccctgattat catggaataa
63001 ttattcccga gtgtccatta cagggtttag atgctggata tttttatcct gagaccttgt
63061 ttggcctgaa ccagcccttg aactctattt gtctcatctc tacattggac aatataccta
63121 gctgtacctg catatacaca tgtgagatat atcgtatctc tatataaagt aacacacact
63181 ccaçctgagt ttggagctca gtatttgctc tgttacaaaa gcagctgaaa tcactcatte
63241 tactttagtg cagggaattt aaaatttact ctaagtccctg ctgtattttt cttccattta
63301 caagagggtt aggtgcccc tccctaacag agtatgctct acttgttcaa agattgtcaa
63361 caataaccta cagtttcccc gtttcctctt atttaagctt tgggtgataa tagattaaca
63421 aactcaatta caaatggaaa catctgaact ccactgtctt aatttattta gtgtgtctgt
63481 aacagaatat ccaagactgg gtagtttatt ttaaaagaaa gagagagagg tctatttggc
63541 ttatgattgt ggtggctgaa aggttcaagt ttgggcatcc acacacatgt ggtgatggcc
63601 tgaagctgct tcaactcttg gtggaaagca aaaggggagc tgggtgtgtc aaagagatca
63661 catggtggga ggggaagcaa gagagaaacc aaggagccag gctctttctc acaaccatc
63721 ccattctaat ccattcccag agagtaagaa ctcgctcacc tttgtggaag ggcattaatc
63781 tattcctgag gaatccatcc ccaggattca cacacctctc actaggggccc acctccccac
63841 accaccgcaa aggggatcaa atttcaacat gagtttgggt gggacaaacc atctccaaac
63901 catagcacc acaaaaataa agataataat aaggaaacca ccatgtgcca ggcactgggt
63961 taagtgttta tattcatcct ccaactaaga acagtactat tggcttttcc actcacctga
64021 aaacaggtcc cattagcatc ttcattctat gaatgaccac tctaaggaaac agaaccatta
64081 aatggcttcc caaggtcata tagtcatgga gccagtatta aaggctgttg cactcctaac
64141 caggacacta ccccttcttg tttttaccgg ccactctcag aaatgtttca agatcatgca
64201 tcttggaat cagtttcagg tccctgaagt cagaagccca atgctgttca ttgagagcca
64261 tgatatgtta cgcaccaccc tagagctggg tcttaaccca taaggtagct atcgttccca
64321 tttcccagtg aggaaagtaa gacaccactc ctttattcat ccaagagcgt aaaggacttc
64381 cccaaggcca cacagctagt aagtggctgg gccaggtttc aaaccaggt gtggctccac
64441 cgtgctgct ctccagatca tacatagcat tatgattcct tcacgggaca gagctatate
64501 atgatgtagc atgctgggtga ccacaaccat tttggcaatg gctttctaaa aatacagaga
64561 aaaaaagcaa atactaaaaa actgagtttt tggcttcaca taatatgtga agaaggaagt
64621 acgttaaatt aattacaaga aatgcattct catggcctca attcacgtag tgtgcccag
64681 aagcaaagtt ttatgcattg attagacatt cactctccct aaggcagtg caggcaagtag
64741 aaggacactg tgtctagggt cagaagacct cagttcgagt ccactttctg gcatttcctt
64801 gggaagggtt ttcaatctcc ctgaccttca gttttctaat ctgtgcagtg gaaattataa
64861 ctatagtacc tgctgaaaaa attgggtcgt tataattata actatggcac tcatctgtcc
64921 cacctcattg ttgtaaagat tagatgagat caaatataag acaaagctcc ctatctgaat
64981 gagatattta aagtgggtta ttattatgat gtgggtttct aggcagtaaa aacttaccat
65041 actcttccac agaaaaagaa aaagatgacg tgtggatata tgtttactta taataaacat
65101 gcatatatat gcatgcatga atatgagtac aaggacatat gtattagaac attgtggtgt
65161 gcaaaagaag atgagaaaaa ctagtataaa tctcgagaa gaagccctga taaagtatgc
65221 tagggcaagt ctgcaggcct ctgatttttag ctgcttaact attggatata cagacagtgt
65281 tgaaagattg tgttcaaggc actgcagccc tcagagaact agcccaaaag cccatgacct
65341 cacaagcaac tttaggggagc tgcgtgggat gaagtacctg gccccactgg aaaggcacta
65401 gaaaatgagc tcttactttg cagggagtgg tcagggaac atcaaggaaa gaagaaggaa
65461 tcatcaatgg ggcttggggc tcactcagga ggagctcttc ctgatagggt ctttaaagga
65521 atcagtgtc aaaacccctg gatgtgatga gctcattcat ccttgaggga cctttgtctg
65581 cctctcact gtccctctga ggtccctcac gcgttccct tctctgttct tattccaaat
65641 tccctacta catttactca cctgggattt ctgggtaaac tttattagat ttgttacatc

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FIGURE 3 (continued)

65701	tatttttccct	tcccattagt	caatttttta	atgtggttagc	caaaaataatc	aacatcacta
65761	gtaattatac	ccatactcaa	aaactcttct	ggtgaagagg	catggcagaa	ctccacaggg
65821	aaatccctatt	gtgaggatta	tataggtcgg	aaagtcattt	ttaactgaca	tgcattgataa
65881	agcacatgct	acataccaat	ggaattttaac	gttcaaattg	aataataaac	tatgttttgca
65941	gtatacat	ctagatccat	acatgaaatc	acattttccat	taaacagttt	tcaagtcagt
66001	gaccaattcc	ctcctacttc	tcctgaaatt	tatatgaacc	tggatcattt	taataccact
66061	ggaaagaaac	actatactta	gaaggagatg	aacaacagat	ttaatat	ttcgttttgcg
66121	gtactaggag	gcaagctggt	aactcctaat	ccctgtgtgc	ctcgactcct	agatctgagt
66181	agtcaataag	aaagtaggga	agggactacc	agcaagaaaa	gaagccact	aatatttcct
66241	tctccttcc	tctgtgtttt	cttctgttta	ataattgagt	ctaata	tggacaagga
66301	ttgpcagaaa	aggcatgac	tagaacaggg	gtcagtaacc	ttttctgtaa	aggaccagag
66361	agtaaatac	tgagcccttc	gcaggccaca	tgggctctgt	tacaactact	caactgtgcc
66421	attgtgccac	aaaaatggac	acagcattgc	tgtattccaa	taaaacttta	attatgagcc
66481	ttgaaatttg	aattttcact	gatttttcaca	tcacaaatat	taaattccaa	tcatttaaaa
66541	ctataaaaaat	tattcttagc	tcactgatcc	tataaaaaaca	agcagtgggc	cagattcagc
66601	ctataggcta	tagttgccag	tcctgtgtct	aaaactttta	atacat	agtattcttc
66661	tcattaaaaac	cactgaaatt	gaagtcattt	tctctctttc	tgccattta	cttttcccta
66721	agactttaat	ttttttcccc	acactctcat	tcccattctg	atttaccagg	acattacttc
66781	tctctctac	ctcacatatt	tgttttattg	cactataaac	ctcactggag	aataaaacta
66841	tttgccaaaag	accacactgt	aaacaccag	cactgcagca	gccactaaca	aagaggaaga
66901	cacagaacct	gtggccaatc	atgtggacat	tggcaataat	ccattccctt	ctccttcttt
66961	cttcctggta	gagtcacact	cttataatag	tctgaagaaa	acagattggt	acttttcac
67021	cttcctggca	aacaaagggg	tatgtctgtg	accaactcct	ggacagtaag	acctgaagag
67081	aagtctgttg	gggtgcttct	aggaaagggt	tttctcactg	gaaaaaagaa	agctacaaga
67141	gcagaatccc	cacctctctc	ttgtttccta	cttttagatg	atatcatgta	aagagacagt
67201	gtttagagct	gcagcagcca	ttttgcaacc	atgagggaaa	tccaggaatt	ggtccacagg
67261	cataacatca	ttaattcacc	aaagcacctc	cacagctctc	tccccctgga	cttcctgttg
67321	taggcaataa	taaatcccca	agatgggaat	ttgtttgcca	tttattacac	cgacagactt
67381	cattcttgca	aagcttacat	tgctagagga	gtgatgtgac	acataaaatg	aaaaaccctg
67441	tacaaaaaaa	cataaaatat	caggcaggac	acagcggctc	acacctgtaa	tcccagcagt
67501	ttgggaggcg	gaggcagggt	gactgctcga	gcccaggagt	tcaagaccag	cctaggcaat
67561	atggcaaaat	cccatttcga	caaaaaaaa	tacaaaaaatt	ggccaggcat	gtagtggaca
67621	catgtaatcc	cagctacttg	ggaggctgag	atggatcact	tgaggccagg	aggttgaggc
67681	tgcatgagc	cgaggctcgt	ccactgcaat	ccagcctggg	tgacagagtg	agaccctgtc
67741	tccaaaaaaa	aaaaaaaaaa	aaaaaggaag	aaaaaaccta	aaataccata	actcctccct
67801	ccttggcagc	tctattcgac	ctaaatcaaa	atacgttcat	atctctccca	cagagttact
67861	gctctatata	tactttctgc	tttacagaca	aacttcttaa	aagttaatct	gtccttagca
67921	gggcacagta	gtgcacacct	gcaatcccag	ctacacagga	gactgaggca	ggagtatctt
67981	ttgaaccag	gagtttcaga	ccagcctggg	caacacagca	agacatcccc	acccaccccc
68041	acctccgcca	ctgtctctaa	aaacccacca	acttatctac	ccttaccatc	tccatttcc
68101	attctgtcat	cctcactcct	caaatagcaa	tactctgccc	ttctttcacc	cacattactc
68161	catcaaactg	ctttcaacag	agtcaccagt	gacttcccag	ttgataaacc	caagcacagt
68221	ttttagctct	tatctggcct	gacctctcca	cacaggtcaa	aatagtcgat	actatacact
68281	atacctcccc	cgcaccatac	tttttttttt	tggtttggtt	gttttgagac	agagtcttga
68341	tatgtcggcc	aggatggaat	gcagtgggtg	gatctcggtc	cactgcaacc	tccacctccc
68401	gagttcaagc	gattctcctg	cctcagcctc	ccaagtagct	gggattacag	acgcccacca
68461	ccatgcccag	ctaatttttg	tatttttaat	agagatgggg	tttcaccatg	ttggccaggc
68521	tgggtctcaa	ctcctgacct	caagtgatcc	acccatctcg	gcctcccaaa	gtgctgggat
68581	tacaggcggt	agctaccatg	cccgccccc	aaaaccatac	tttccagatt	ttcttttgca
68641	tccttaagta	tttatttctg	gcttctcctt	ctactaggct	cttaataacta	gtgttcccca
68701	gtgttcctgt	acccccctcc	ctgttttttc	ttattttacc	cactcttttt	atatagtctc
68761	atctgtacct	acagctttag	tgaactaatt	agaagtaatt	tgtatttagc	agcactgatt

FIGURE 3 (continued)

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68821 ttccctgttga aagttaacta ctaaaatccc tcgatgtgac agttctttta gttaggacaa
68881 acatgcccc aggaaatgaa gtaatactat tcatttgctt gcaaaccatt ttttcccat
68941 agatgaactt cagcccaa ataaatcaaac tatccaaaat tcccagctac ttgggaggct
69001 gaggcaggat ccaaattcat gtaattttcg tgtattttgc aagtttggtt tatgccatat
69061 taattcatta cactccacat catattttct tagcaaatac atctagacac ctggcactca
69121 gtaagggata ttcttggcac gataatcatt gttatcatta gacattgcag gaaccaccat
69181 atggatggat aaatgtgttg tttaatgaag gcaagcaatt actttaagag atcctagtgtg
69241 ttataaaactc tctctggact tcaagtttgg tatatacata attattaaat gtatacataa
69301 ttattaattg taacatgtcc tcacaattga tttctggcta tttttctaag gattttacac
69361 tttattttagt aaaatatatt aaagagggtta atgataattt ttttatagag acccttagat
69421 tgaaaatgac tgatttttca cacctctttt cttgctttac taatcgtcag tgcctaattg
69481 ctaaagcaaa atatcttcta aattctgggg aggaaattct actttgggcc aggcgcggtg
69541 gctcacgect gtaatccag cactttggga ggccgaggcg ggctgatcgt gaggtcagga
69601 gattgagacc atcctggcta acatggtgaa acccgtctc tactaaaaat acaaaaaaaaa
69661 aaaaaaaatt agccgggcat ggtggtgggc acctttagtc ccagctactc gggaggctga
69721 gataggagaa tggcgtgaac ccgggaggcg gaggttgag taagccgaga tcgcgctgct
69781 gcactccagc ctgggcgaca gcgagactcc atctcaaaaa aaaataatag gaaattctac
69841 tttgaattgc acactaatca aaagactcca gcttcattta cagagacctt atctgtgcta
69901 agtagttttt ggaatagctt ttttctgtc acttaagcac ctctctttat tattaatagt
69961 aaactaaata ggagtcctaa gtctgccttt ccagtgcta gagtataaat gtcacacac
70021 ggtagaatgt aaacatcttt tttttttatt atttttattt ttttgagacag ggtcttgctc
70081 cgtggcccag gctggaatgc agtggcatga tcatggcttt cactgcagtc tcaacctctt
70141 gggcccaagc aattctgtca cccagcctc ccaagttcct ggggccacag gtgggcacca
70201 ccatggctaa ctaatttttt aatttttttt tttgagacag agtctcacac tgttgcttgg
70261 gctggagtgc agtgggtgcaa tctcggtcct ctgcaacctc cacctcccgg gttcaagcga
70321 ttctcctgcc tcagcctcct gagtagctag gattacaggt gccaccacc atgcctggct
70381 aattgtttgt atttttagta gagacggggt ttcaccatgt tggccaggct ggtctcgaac
70441 tctgacctt gtgatccacc ggcctcgcc tcccaaagt ctgagattat aggtgtgagc
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70561 gccaggttgc gtctccagct cctgggtcaa gtgattctcc caccttgga tcctaagtgc
70621 tgagattata ggcattgagc tccatgcctg gcccttttat ccatctttta atgttaataa
70681 ttatatccat ttctgtttcc ttcaaaaatt caagtggaaa acctgacata aataatggta
70741 acttttttat tataacctata tcaattaaca catatgtata aaacttctac ttagttgtgc
70801 caaatatcag tgcacagtat ggggtgatttc cccacttgc gaagaatggt gctatagtca
70861 ccgcacagga gcaggataga tcccactct caaaattggg tttggatata aaaaatcaata
70921 atgccatcac acatgcagca aaggggtttg aaaggtttat tgctcacata atacgttttt
70981 ttgggggaga gtaagatggg cttccaagct ggtctgaaaa ctgagagaga caagaaagga
71041 gaatggcttt gggattctta ttgtggttag gagtggggt gtggtgaggg ttctgttaca
71101 tgggctaggg cttactgttg gaactttgtg ctagtgcctg ggaaggagca cctaggcatt
71161 cttatcagtt tgctcagatg tggggcagag aggaaggga gtggtggggc ttgagaactg
71221 tctgcagtc aacatcaaaa attaatgcat actctgtatt acaacaatta gaaaagaaat
71281 aaaatgtagt atatcagttc tctattgcta caatattgtt acataacaaa caacccccaa
71341 acctcaatgg tatacaaaaa taaatgtgtc ctgctcacac atctggagtc aactaaacag
71401 ctctgctgat cttgctgaa ctcattcatc tgtcagcttg atcttggctg gctttgccag
71461 ggggtgggcta taccctgtc tatgtctctc atcctccagt aggccagcac aggcattgcta
71521 tcatggcaaa ggcaagggtg caggagtaaa ccagcccaat aacacaagca ctttttaagc
71581 ctctgcttgt ggcacttttg ccaaaatcct gttggccaag catgttacgt ggccaagcca
71641 tgagatgtgt acacagaaaa ataaaagatg tgtacacaga agagcaaaga attggggcca
71701 tttttgtaac ctactgcacc tattaatgga ttactaatat gtcacaactc ttatcctaga
71761 ttacagtatt aagagaagga aagtcaattc aatgatatat ttactactaa atgttaggta
71821 ctgtacttgg aattagagtt acaaaaactaa atgagataat cctaaggagc tcacagttgg
71881 atactggaaa aaaaatcaaa caaattaata cattattaaa ataaatgaaa taaaatccaa

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FIGURE 3 (continued)

71941	tgtaagtaca	tgaatagata	ttttaataag	aagtggcatg	gaaatgaaaa	taaactcttt
72001	tgtctccttt	atcatatatt	tcatagctaa	ttaaattaat	tttattataa	tcaaattttac
72061	tgtagacctg	aggacataaa	gtttactgag	actccctagc	gaatggctgc	ataaaaaatgc
72121	aagccctcta	aaagcaaaac	cagattgtaa	attctgttag	gctaacagaa	agtcatttga
72181	ttcttttgtt	tttccgttac	acttagtagt	caacccaaaat	ttattgtgtg	cctatatgtg
72241	tgtatttagtc	agagttctct	agagggacag	aactaacagg	atagatagga	aggggagttt
72301	attaaggagt	attgacgca	gatcacaaga	tgaagtccca	caataggccg	tctgcaagct
72361	gaggagcaag	gaagccagac	tgagtcccaa	cacctcaagt	agggagctg	acagtgcaac
72421	ctttagtctg	tggctgaagg	cccaacagcc	cctggcaaat	cactaatgta	ggccaagag
72481	tccaaaagct	gaagaacttg	gagtctaatt	tttgccgggca	ggaagcatcc	agcacagaaa
72541	aagatcaagg	ccagaagacg	cagcaagtct	gctcttccgt	cttctcctgc	ctgctttatt
72601	ctagccatgc	tggcagctga	ttagatgggtg	cctaccacga	ttgaggggtg	gtccgccttt
72661	cccagtcac	tgactcaggt	gttaatctcc	tttggcagca	ccctcacaga	cacacacagg
72721	agccatactt	tacatccttc	aatccagtc	agttgacact	caacattaac	catcatgatg
72781	tgcaagctat	tttgctggga	atttgctagg	atcgaaaatt	cctagttttt	ttgttgtttg
72841	tttgttttgg	ttttgaatct	ttaatgagaa	aaaatactat	tgtgctcaag	aacaccgtgc
72901	gtctgggtg	tcattgggtc	aagggttggg	gacacacatg	gcagaattca	gaaacagggg
72961	aacatcaaca	aaaatacaca	cggtcataaa	aagaaaaact	ggcacctggc	atgatcaact
73021	ctgtttcctc	atcattcagc	agcatgttgg	ggatcctgcg	gctgatgggg	aacacacgtc
73081	cagactctgg	gcactgcagg	gtgccctcca	acacatctac	ctccagcagc	acgtggtgca
73141	ttgtcctcac	catggagatt	cctagcaaat	actctaggta	ttttaaatag	aagaaattta
73201	atacagggaa	atgattacat	atatagtaga	agaactgaga	tgtcaaacag	aagagtggag
73261	caatccacat	tttagcaact	gcagtaagtg	acctccaatg	tcattggctg	aggggtgcaa
73321	tgggtgagaag	gcagaagcta	gaatcatggt	ggaccccacc	tgcaagagtc	acaaagaaga
73381	tgcattccatt	caggtcacag	agaagtaaat	actctagtgt	ctaccttcta	ccttcttatt
73441	gctctctagt	ctcccathtt	atctagactg	ctgacaagca	tgcagtggaa	gggtgagcacc
73501	agatctgaga	ggaaacaggc	agtgtctggt	ggcacactac	acaagaactc	tcacaggcat
73561	ccactaggct	tgcttgggtg	ctcatttaag	gagtaaccct	attttatgta	tcagagtagt
73621	ctatgggtgtg	atatagcata	ttgctgcttt	tgatgtttgg	tttcatttgt	tcctgttagg
73681	cacctaatca	ctgtttttta	aattccccag	gagattctgg	tatacccaat	cagctgagaa
73741	ccactgaata	gtggctttca	aaattttgag	catccaaata	ttgtcttcac	agaaaatctt
73801	aatctctgaa	gtctactgta	aaaacataga	aaggcaaggc	tgttctgctt	gaagcgtagc
73861	ttgggagcct	agattcctct	caaaccacag	ccactcctgg	gaacatggtc	tggagatttg
73921	aatgttccca	aatctagttt	atctcattag	tcgatattta	tgcacatcct	ctgtgtctct
73981	cagtgttctc	tcattgtgtg	acatatgccc	cattccaaag	agtgactgta	gtgtaatgtg
74041	gcattaaaag	aaccctggat	agacctgtat	tggaccttac	atattagaga	gctctgcaga
74101	tagctcacaa	atctccaagt	cgctagctgt	aaattgagtg	ataattgggtg	tcaggttatt
74161	ttagcacagt	ttggggataa	aatgggtgcat	taatctccca	gtttgtggct	tattaaactt
74221	tgaaatggaa	ttatttgaga	cataaaaagag	atagcaatac	tttgcaggat	gttctccatt
74281	agtcgagatt	gttacagagg	agaaattttt	gccactgttt	atcaaatatt	tttctcctta
74341	gttaatccat	atcattccgg	gagctttgct	caggaaaagg	acgaattact	tgcgttccct
74401	cgatctcttt	caagttctac	tcccgtaact	ttaaactgtc	acacggaatc	tttggtgaca
74461	gaggaataga	gggtgggcaag	cagggcggtt	ggaaaccata	ctgaaaacga	attatccata
74521	aagcacagat	tcaccagcct	agaaatggct	ctgtctggat	ggattccttg	agatgtgttt
74581	tatctccatt	aaaaacacaa	caactttcaa	actttcactg	tgtctcaaaa	tgatagagaa
74641	aaaaattcag	cctttcaagt	attcaagaaa	agcttgaaga	aataaaagaa	actcgtgct
74701	ctctgggcca	ctttaggagg	cagagcgttc	ctggagaact	tcaggattca	ttcgcaaggg
74761	aacccaaggt	gggcattcaa	agccgatcca	aaggatatct	ttctttttag	aaaacaaaag
74821	gagcgcaagg	agtaggggac	tgaagggtgcc	caaagctagt	gggtcagtg	cactttcttc
74881	ctccctttcg	cccccttcc	cccgtcctt	tctccctgt	gggtctctgt	cagcaccct
74941	ttctctccag	ccccgactgc	ccatcttcgc	ccctaccctc	gcgcgtcggt	gcccgtgtcta
75001	caccaccccc	aggacctggt	ccgtccaggc	tccttcccat	cctcacaccc	gcgcctttct

FIGURE 3 (continued)

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75061 ccctgcgggc ccggetcget gctccagctg ccagctctt cccaggacag gggatcccgc
75121 caagggggcc gcccccgccc cgccctccc ccgcccggcc gcaccataaa gcgcccggcc
75181 gctgccgagg agcccagcag ccagctcccc agcaccggcg ggcgggggacg cgagcgcgcc
75241 cccgacggca gcccggacgc cgagcacggg tcacctgagg ccgcccggcc ggcggcgacc
75301 gaggttcaac gcacggcccc gggaccccc ggcgggggcca acgcccggcg cgcggcgccg
75361 ctgcggggga gcaggaagag ccaacatgct ggccccggcg ggagccggcg tctctctgct
75421 gcacctgggc ctgcagcggg ggctagcggc aggcggccag gccaccccc agggtaagtg
75481 gggtcggggc gggcctggga gcgcccggca ccgggtgccc catctgctga gtgagtggag
75541 ggacttgctc ggccctgtgc tctgtggcc ttgctcagcc cctctctgtc cctcccgggc
75601 ccaatcaaaag catattgtga ttggaggtag tgattagtct agaattttcc gaaattcgat
75661 tatccaatga tgagaacaat tgcctaaata gttgggggat gcaaaattgt ttcagactat
75721 gcaaagatgt ggggtggggg tgccttcaaa acttgctaca cggctcctaga cctcttaaca
75781 tgtaggctc tgggtgtagg tgaattccgg gtccctgcacc ctgtgcccgg tccctccagg
75841 cagccttgct ccctaaatcc tccctcaggc ggagcgatgt atgcccagag tctgctcttg
75901 acatccctga gaaagacgca gaattactct acttgccctg ccacctgcat tttctgctct
75961 gactttgctt gaacgacaaa aagaaagtgt atttcaaggg ttggcttgat gtcttaattt
76021 ctgaggtaaa taggaagggc tgagaaactg gtctttttca atgaaatcag ttctttgcag
76081 caagatggat gcagctggag gccattttcc taagtggatt aaggcaggaa cagaaaagca
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76201 acagtagaca ctggggactc caaaagtagg ggggaagggt gggaaaacta ccaattgggt
76261 actacgttca ctgggtgatg tgttacttag aagctcaaat cccaccttat gcaatgcacc
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76501 cagaattttt tgtaaagacc aaaaggaaga catgatttaa gcaaagaaag atcttagggc
76561 tataactggc cctaactggg caggcgtgag ctcatctgt ttgaacttgg tgccctgggt
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76681 ttttctctct tgtagccaga gcaaagactg cctatgaggg cgttctcaac ttccttgcct
76741 ctgctgctg gaatcaccca tttaaactgc atttcgccaa ataactcatt ttcattccag
76801 accagacaac cagaactgtg gtttcagggg ttagagtact gctaactttt agtttgtgtt
76861 gaagtatttg aaatgctgta gtccgtgccc catacttcta ggaaggtaaa aaaggaagct
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76981 atttttttgt gttatatacg ttcttgactt ttgaacatac agctttatgg tgtgcttag
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77401 cactctctat gttcattact aactaatccc atctctgccc cttgagagag atgcaaatga
77461 atcagacgaa ccatagattg aaataccgca agtttagctt gagttacatc atgaacctga
77521 tcatagtcaa aggaagaatc aagagtacta agaattttgt tttgaatgta gttcccatat
77581 tttaaatata tatctctttt ctgaagatgt tttgtcctga atggaacttt aaaacatatt
77641 gccttatttc cctttgccct cattagtggg aatgtaaagt ttccaattct cttgaaaatt
77701 aaaaaatcca atttcccttt tgaaatgcag taggcaacag tgtttatggg ttagggatat
77761 aggcactaag aggagcacag taaatgttct gctttccaac acatctcatg ttaatttcat
77821 tattgtgtaa ggacccttgg tacatgtgaa aaatacagta tagatccagt ttgaagacaa
77881 attgtctttt aaaaggggta aatattcttg agtaactagg tttttgctg tttgctttag
77941 aacttttatt cattcttatt acaaaaagcaa tacctgccc ttagtagaaa gattaaagt
78001 agataagcaa aaaataaaat aaaaagaaaa gaggaaattt aaaacttata tttatgcaac
78061 ccggggatag cttctattaa cattaacatg ttgtgtgatt gtctttcatt tcaaatattt
78121 ttctatgcaa aaatatattt caaatggaat tacgttatac atatagtttt agaattcctt

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FIGURE 3 (continued)

78181 tttcttaatg tatcatgaac atctttttcac atctgtaagt attcagctac attttaaaaa
 78241 taggtagtat tctgcttttt ggaagaatca aaatgtattt agccagggtt gtaatataga
 78301 acccttaagt tgttttcggg tttgatattg taaatattaa tttattgaac aagtgcaggt
 78361 gtcacaggat gggttgggat gagtttaacc atcccccaa tctcagccaa gcccttctct
 78421 ttttttttgc taaggacagt taatgttttc atagcaaaat gctatgccaa cagagctcag
 78481 gtttacctct ctccaatta gattttccacc taattctttc ctaaatagaa attctagaat
 78541 taccactagt gtctaattt cttgtacctt aatcattttac catgttatcc attatttccc
 78601 taggataaat tcccataagc agaattgcta gatcaaggag cacatatgtt ttagggcctt
 78661 tgatactggt gtttaaactg tcttcaaaat gtttatacta gtttaaagt tacacagtgg
 78721 tacagagagt gccattttcc ctgaaccctc acaaacagtt gactactgtt gtatttacta
 78781 attttccaat tcatgaacat ttattttatat acttaattggg cattgtaatt ctttttatgt
 78841 ttaggtaaat ttcattttcc ttgcccattt ttctattaag atgcttatca ttttattgat
 78901 aaattgcctt ttcattttcc ttgcccattt ttctattaag atgcttatca ttttattgat
 78961 ttgtaagaac tttttatcaa ttgtcaatat taccatttta ataaccagat tattatatcc
 79021 aagagacagc tgtaggtgct gaagtttctg cagcctatgg aattgttcaa atgatatttg
 79081 cgtctgctaa tagatatact aaataacttc cactgagtat tacccaaatt tggcctttgc
 79141 cttttaaatg actctgggca tactctctca tagctttcat aaatattaca aagtttggtga
 79201 gagaaagtac tgcctgcttg atcaaaagca acttatacaa atacaaatgc agattctgat
 79261 tttttagtag caattctatc agtcaagaga cagaaaccac atcattttgt tttgttttgt
 79321 ttcacatttg ggattttttt aaacagagaa atgttggaga attgtaaagg caciaagggga
 79381 acacttaggt ctcaaaaagg tggcaaatca ctttctacca gcacatctac caccatagcc
 79441 atgtttttctg ctgcattttcc tgcattttgt cactgaccag gaaaacacaa ttggctctgg
 79501 tcttgagggt gcctatggga ctccgtgaca gaaattcact gcttggggac atcagtaaag
 79561 caatggccttg gatgctttca ccagtcccc ttgtacttta agcctttagt gcttttctg
 79621 gtgggcattt tcagagctac ttgttcagcc aaaccaatt atgtgtttgc aaattcagtc
 79681 ctctctcttg agggctacac ccagtgatga atattgtgct gtatttcttc tggctcaaat
 79741 gtccagccac tataaaagtg acaggggaaga actggtgagt ttggcaatac ggaaaagggga
 79801 ttacaagatt agtttacatt actttgtagc ttactgtcaa attgcacccc ccccaacaa
 79861 agaaacctg ttttcccaa aattgaatct ttactttata ccccttcttc tcccttctc
 79921 ccagtctttg accttctccc atcttccagt cagaggctaa acccaggcgc tctgctgcca
 79981 gtccgtgacag acccgcctt gaatgatctc tatgtgattt ccaccttcaa gctgcagact
 80041 aaaagttcag ccaccatctt cggctcttca tcttcaactg acaacagtaa atattttgaa
 80101 tttactgtga tgggacgctt aaacaaaggt aagcaaattt gctgaaatta ttttcttaaa
 80161 aatctccttt ttctattcca ggattagggg tatactgtct ttgagatggt ttccttgtag
 80221 aatttatatt tcactacta gtcatttcag tttttaatac tgaattcttc ttactgtaca
 80281 tttacctata ttggcggggg ggtggggggc ggttcaggaa gaaagtgaca ttgggagaaa
 80341 aaaagaattg ctgtgaccaa gatgcttttt gacattgtct catcctgatg ttattctgaa
 80401 tccagtcttg gaacagagag gacaagggac aattcagcca ttatcttagg cagctcaggc
 80461 tgctataaca aaataccata gactttgtgg cttaaacat agacatttac atctcacagt
 80521 tctagacagt ggtaagtcta agatcatggt gccatctcag tccattttgt gttgctataa
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 80641 caggctggaa gttcaagggc atggccctgg cttctgacaa ggactttctt gtgtcacaac
 80701 gtggtggaga aggtcaaaga gggagcagac acatgggaag aggggaaaac ctgaggggca
 80761 cgtagctttt ataataacc cctctctcaa gaactaattc attccttga gaactaatcc
 80821 attttcacia gagctgaaac tcaactgtctc gagaacagca ccaagccatt catgagagat
 80881 ccaatcccat aattcatatg cctcccacaa ggcctacct cccaacaccg ccacattggg
 80941 gaccaaattt cagcacgagt tttgacaggg acagacatac catatccaaa ccataccacc
 81001 cgcagatttg gtccttgta agggcccagt tcttgattg tagatggcca tctttttatt
 81061 gtgtcctcac atgatgaaga cagacagcaa gctctcttgt gtctctctt ataaagtcac
 81121 tattcccatc atgagggcca caccctcagg acctcatcta aacctaatca tctccaaaa
 81181 gccccacctc caaataccat cacactggag attaggagtt cagtatatga atttgatggg
 81241 gcgggaggaa ggggacagat acaaacattc agcccatgac agccaccca tactattctt

FIGURE 3 (continued)

81301 atgttccctt tgaagccagt gctcagtaga cctagctcct aactccttaa gcacctacct
 81361 ggccgtgatg gaaagaatat acctcaacca gtagaacagg atgaataggg ctcttttctc
 81421 cctgtgcgtg ccaattttaca caggcctgtc actgggttga tccctctgct gtcatttgtt
 81481 ttgttgccgt agtgagttac tataagcact gagaagttag tcccaaagaa aatgggtcact
 81541 atttttcatt gccttctcct ccactccttc cccgggggac aacacctgtt cctgtttatt
 81601 aaggaatgtg acagatgcgt gttcctgctg cttcatgcat ttaataaaat aggagggtg
 81661 gttcttctgg ctgggtttta tgtttatttc agtttgcttt acaaagtggg cacttcttag
 81721 tgcttcaaac tctctcttag attatatttg tgattgtaca cttaaactctg caggcattag
 81781 gaaatgaaag aagtttctaa ttcttaactt tcataggact cttaaagttaa aagtataaat
 81841 gaatgggact ttaacccctt cttttctgtc agattccaac atgcttcttg cctgcttcca
 81901 cgctactccc aagtctgctt tctctgtatg tgcctcatag cctgtcaggg gccttgagga
 81961 ggtgtcagat aataaagtga gtctgaggac atggccagca gatgggtcaa cgttctctgt
 82021 ccccttttcc ccactctcag ccctaattgag gggggattct gcccatgtct ctgacctgaa
 82081 tcaaacagcc ccattttgcc tagcatctgc tgaaggaact gctcatcttc tgacaacca
 82141 gctactcagt ttgtgatcgt aaaaatcacc gttcttcac tgtggatcag cagcttctcc
 82201 taacctgtct atttcagagg cattgcaaag atttttcttt cgggttcac agcttaatgg
 82261 ccagaagttc ctctgcagag taaaaaactg ctccaagctt ttgacctac tgcctctcac
 82321 cctctatttc taaattggcc agtatgtgtg agccattgt ggaaagtctg ttgctgggaa
 82381 acacaaggaa gcaacttccc ctgaacggat cctttcagtt tgtatagaca agagtaacac
 82441 tggatttaat gggcagtagg tagagggtaa ggggatcgt agtatgtttc ctctgaagaa
 82501 tcaccagtaa tatgagtcag ctgtaaatca cagttgatca aatattttag gggctgtaat
 82561 cccagcactt tgggaggctg aggcaggcag atcacctgag gtcaggagtt cgagaacagc
 82621 atggccaaca tggagaaacc ccactctac taaaaataca aaaattagcc aggcattggc
 82681 gtatgtgctt atagtcacag ctactcggga ggctgaggca ggagaatcac ttgaacctag
 82741 gaggcagagg ttgcagttag ctgagattgt gccgtgcac tccacacttc agcctgggtg
 82801 acagagcgag actctgtctc aaaagaaaaa aaaaattaga ggaaaagatg aaagggttga
 82861 tatgaagaac tgaaagatga acatctccct accctccaac ctattaggaa agataaattg
 82921 ttcttagaaa ctgtgggggc agaaggagtc ctggaagaat ctagaaatga gaattctcat
 82981 aaggcaaaga gggatttatg ctgttattag agcttgaaga gttgaagaat gacacagaga
 83041 agttgtttca ctggagcagt cggaaaaaat acgaagattt gccagcactg gtgaatataa
 83101 aagtttcagg aaagagaagt ccattctgac tggacaata aaaagaagtc actgggtcca
 83161 tcagatccaa ggaaaagaca gagcctgtgg ttgagactcc caactgcagt gttcagtggt
 83221 ggccatgctg acttgacata attctcccca caacctcca gatctctctt tttgctgatt
 83281 ggtaggctcc agacagcatt catctggcca aggttcagct tctactgact taaaacacct
 83341 tgcgtggaaa acggtgaaac agaagaaatc caagtggatc tctactgact taaaacacct
 83401 gagtaggaaa taaaacacac ctttccctcc attaaagtcc aggactggga gatgaaggag
 83461 ggtgactaca cagcatcaaa gagcagaatt tggatcatct ggccatcatat gacctcctga
 83521 aacaaattaa aatgtagcta atgaagactg caaagaaaga gtttgccact gagctctctg
 83581 cttctactct caccctctcc aagtcagcct accccaggcc acctcattac tgttcacaaa
 83641 cataatttgg atcaagatac atctgaacct tgagacctct agtggcccc tttccaaatt
 83701 gaataatgta cccatgtctc agcaaggcat tgggggcttc cactctgcat ggccccagc
 83761 agcctttcca gtttatccct cattccagcc tccatgcagc ctgagcttca ccaagatagg
 83821 ctattgccat tcttggggc cgcatatgct gcctctcttc catcttttg ttcctgctgt
 83881 ctgctccctc gacacatctc ctgcatcacc tcttgacacc caaatcctac acattcaaga
 83941 cccatctcca gctccttctg atattctttc taatatgact ttgtacctct taaggaagac
 84001 attcatctta gctcacttg tacttgaatt acttctaggt cttctctcca tttgggtggg
 84061 agctctcttg agacagggac tatacagccc ttatctttgc atctgctgca gcacctagca
 84121 aggtgccttg tacatagaag tagttcatgg atagattgaa aagaataaat ggaggctgag
 84181 aagagtagac ttgtttgtga aaaatgacat acaccattgt gaaattctgg gattccacaa
 84241 tatctgacac atagtaggta ataaaaaaa aattatttat ttatttatga gacagagtct
 84301 tactctgtca cccaggctgg agtgagctcg ctgatatacg gctcactgca gcctctgcct
 84361 cctaggttgc actgactctc ctgcctcagc ctcccgagta gctggaacta catgtgcga

FIGURE 3 (continued)

84421	ccactacgcc	cagctaattt	ttctattttt	ttagtagaga	tggggttttg	ccatattggc
84481	caggctgggc	togaactcct	ggcctcaagt	gatcctcctg	tctcggcctc	ctaaattgct
84541	gggcttacag	gtctgagcca	ccacactcag	ccaaaaaaag	atTTTTTTTT	ttaatgaata
84601	aattattgaag	ggcttttgga	ataggatgta	agaggataca	ggtagtattt	ctggtagaag
84661	tgatctgcca	ggttatgagt	aatacagcct	ttaaactctg	atagaaataa	gcacctgca
84721	gaaaccacct	ggctggatag	aagatatggc	tgatgctctt	ctagtatctg	gcgtaaagac
84781	aactttccag	tttgatcct	gagtttgagt	cacaaactgc	atcaccatga	atacatctct
84841	gaatctctct	tagcccttgt	tgattgccta	taaaatgggg	ataataatag	ctacctcaca
84901	ggctggttgc	aagaactgaa	ttatataagg	tataataact	ttcttcagac	tatgaggctt
84961	aataaaattt	tcatactctt	aaacagtatt	agagacagat	ttccactatt	taggcaactg
85021	ttttctaattg	atgatggttt	ggtgaactct	tggcttgcc	tgatgacaat	ttcacctttc
85081	agaaaaagaa	acacaagaac	tgcttcttta	gtcttagtat	gattgtctca	gaacaacttg
85141	gtgctgtgaa	gtgaaggaaa	cccaaagtgt	ttgctgtaat	gaccagagag	tgctcagtga
85201	actccttagc	ctaaggatag	gacatgtcaa	atagttcaga	gtagtggttc	tgtagcttgc
85261	aagctaaaga	gaaatataga	ttaagagaga	tggtagagct	taaaaaataa	aattatagac
85321	acaataataa	gtggaaaaaa	tgaggggccc	caaacattaa	taataatatt	tatggagtct
85381	tttttttttt	tttttgagac	ggagttttgc	tcttggtgcc	cagggtggag	tgcaatggcg
85441	cgatcttggc	tcactgcaac	ctccgcctcc	cgggttcaag	tgattctcct	gcctcagcct
85501	cccaattagc	tgggattata	ggcatgcgcc	accagaccca	gctaattttt	gtatttttag
85561	tagagacagg	gtttctccat	gttggtcagg	ctgatctcaa	actcgcgacc	tcagatgatc
85621	tgcttgcttc	ggcctcccaa	agtgtcggga	ttacagccgt	gagcaaccat	ccccggccct
85681	atggagtctt	tttaatgtac	caggactgtg	ttaaaagctc	aaagcctatt	ttccctttta
85741	actttcacaa	tattcctatg	acatgccctt	gaattagctt	aatttttaaag	tggtcatgtg
85801	cagaagatgg	aaagaatttt	aaaatttgac	acaaaaactat	aataattagg	acaaaaaagc
85861	taaaacctaa	ttgagtcaaa	gttggtgatt	cacacataag	ataataaaat	ggatgttttt
85921	agccatgttc	agaataagat	atggaagata	tggaagaaat	aagcctacct	cctggaatag
85981	gtaatgggag	attaacaggt	gatagaggta	agtcatagat	ggctcttttg	tttctgtctt
86041	acccatcaag	gggagtgttc	ttcaaattgt	caagaacagt	taaaagaaaa	caaaaatcca
86101	agctagatga	ggagatagca	gaaaaacgcc	cactctcttt	agtgagatta	actattcagg
86161	agcagatgaa	ttacacattg	ggatatttag	tgaagaaagt	catagtggag	ccactgttag
86221	ttcatttaga	aatcatggag	aacagaaagg	tcctaaaaga	caggacaggc	aaatgtttcc
86281	atttttataa	agaagggaag	ggtggattct	gaaaaccaca	ggctactgaa	atthagga
86341	gagctccaga	gggttatatg	attattcatg	tattttggga	ttgcccagaa	aagaaatctg
86401	ggattttttc	taagacaaag	tggatttact	aagaataaat	catgccaaac	tttttttttt
86461	cagtaaagt	tcaaagctga	tagattaaaa	aaacatgctg	tgagcataat	gtatctgact
86521	tcagaaaaga	attggatgaa	gtcgttatt	atacctttct	aaataatata	aaaaagaacg
86581	agctaggtaa	tagtaccgct	aggggttgct	aagtcactgt	atagcaaatt	atctagtgg
86641	ttttgacagg	gctctgtctt	gggtattgaa	ctgtccaaca	tgctcagtgc	ttgagcaaag
86701	acagcatttt	atcgtgtttg	caattcaaag	ctagaaaaca	gttgaacatg	ttggatacta
86761	tcattcatat	ttacaaaagtc	ctaccagata	atacaatggg	ccaaaatcaa	tcagatgaaa
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86881	ggatgtgaga	catctgtcct	aagagttctc	taatcaaca	caaatectaa	tcagtgttga
86941	ggatagtgcc	tgacacataa	tggatactca	aaaatatttg	cgaatgaat	gaatgaacag
87001	atactgtgat	gcaactgttt	ataaaaagct	ccttacattt	taggtttcat	tagtgcatac
87061	atatggccag	gttaaagaag	ctaagagtcc	cactgtactc	ttaattgtcc	aggccacatc
87121	taatactgtg	tctagtctctg	gacacatttc	acaaggacac	tgtcaagtca	aagattacct
87181	tgaaaagagt	caccaaaga	gcacctatct	ggaccccggt	ttttgtttt	gtttggtttt
87241	gttttttggt	ttttgttttc	tgttttttgt	ttttaccaca	tttaagtaga	aaagttaaag
87301	gaactagaga	aatgaagaag	ccagacagaa	gacatgaaaa	atatgaaaat	tgctttacaa
87361	tatttgaaaa	aagggttagg	tgccgtggct	catgcctgta	atcccagcac	tttgggagtc
87421	tgaggcagga	gtatcacttg	agcccacaca	ttcaagacca	gtctgggtaa	aaaattaaga
87481	atTTTTTTTT	tttttttttg	agacagagtc	tcacctgtt	gcccgaggctg	gagtgcgaatg

FIGURE 3 (continued)

87541	gcgcgctctc	agctcactgc	aacttcacc	tccaggttc	aagcgattct	cctgcctcag
87601	cctcctgagt	agctggggtt	acaggcaggc	gccaccacac	ccgcctaatt	ttttttgttg
87661	ttgtcgttat	ccttagtaga	gatggggttt	caccatgttg	gccaggctgg	tctcaaactc
87721	ctgaccacgt	gatccacca	cctcggcctc	ccaaagtgct	gggattacag	gcatgagcca
87781	ccgcacccag	ccaaaaatac	atttttttaa	aaattagcct	ggctcgctgg	tacatgcctg
87841	tagttccagc	tactcaggag	gctgtggcag	gaggatcact	tgagcccagg	agtctgaggc
87901	agcagtgagc	cgtgatcatg	ccactgcact	ccagcctggg	caacagggca	agctcttgtt
87961	tcaaaaaaat	aaaaataatt	aaaaataatt	tttaaataat	atttgaaaaa	tgtcatttgg
88021	aatgaagatc	agactaaatc	tctgtctagc	tctgaagagt	aaaattagga	tccatttgga
88081	gaagacagag	gaaacagata	ttggctctgt	attaggaaaa	tcttgagag	tgatccaaaa
88141	gtgaaatgga	cttctctgca	aagtaatgag	ttccttggtt	ctggaaatgt	gctggtagag
88201	gctgcacttt	tattgaagga	atttgtgaag	tgagatatta	agctggatga	cttataatgc
88261	taatatTTTT	tcattgtacc	aaggctagag	aagtttcata	ggcacttaag	aaattgcttt
88321	gcacctcttt	cctgtaacat	gaccttgggc	ttctgtgcac	actcactgct	ttgttgtcta
88381	ctagatagtt	gcatactatg	atgaatctca	tactttttca	aaacacaaa	tcctctgcag
88441	atgttttagc	taattgctgt	gtttcctttc	actagataga	tgtgtgtgtg	tgtgtgtgtg
88501	tgtgtgtgtg	tgttactctg	tatactttac	atttattcaa	attgccataa	gaaaactttg
88561	aaacagactg	catttatcac	agctaggagt	caccagagt	actttcagaa	aaagcaattt
88621	gctgatttac	cttttgtatg	tatttccaaa	gcactaaagt	tacaaagacc	tagtgtatag
88681	ggcatgaaga	tgaataagca	aaggcaaaca	agaatatcca	tcacaagaga	cattaatgtc
88741	aaggaggcaa	tttttaaagt	tacaattatt	taaaaagaag	aggaaagatt	gacaatgatg
88801	gcttccatca	tatgttttaa	agtgccaaag	agcaaagcca	tttgccaaac	aaagcaaaga
88861	gctccagact	acctttgtga	gtttgtgcgc	tgcaggccag	gccactctgg	actcctttgc
88921	ccaagcagac	aaaatattat	catttccagt	tctttaaagc	tggcaccctg	cttcataact
88981	ttgacattca	acatatcata	atattttttga	ctaccaggtc	cactttttcaa	aaagcatctt
89041	ttgaaaattc	tttctgaaga	tagcaatatt	tcaaactctc	attgcctggg	cttgcttttt
89101	catctcctgc	cagtcactga	aatcgatatt	aatcagactg	ggctatgtgg	ttcctgtgtc
89161	cggctgggtc	caagcatgga	aatgtagctc	ttggacagtg	ccataaaatc	aggcaatcct
89221	gagtagctgg	ggttacaggc	aggcgccacc	acgcccacct	aatttttttt	gttattgttg
89281	ttatccttag	tagagatggg	gtttcaccat	gttggccagg	ctggctctca	actcctgacc
89341	aaattgtcaa	ttacacaaa	atgccaaagt	tagagggaaa	ggatttatat	aaccaacaaa
89401	gtgttccaca	ttttaaaaaa	gacataattg	tgagtaataa	aagtcagagt	ggacacactc
89461	tatttttatct	attttttttc	acttcccata	agtagttgta	gtggtgcctt	cagatactat
89521	gggatgtggg	aaaatcagta	agatatagac	ttggcagcat	gaagggactt	aagggtggtg
89581	gaagattagg	gccagtcctg	ggataaggag	ttgaaacatt	atttagaatc	cactagggag
89641	ttattgaagg	atttcatatt	cttgcttgct	ttgaggaggc	aataacgatc	agaacagtc
89701	tataagaagt	tcaatctctc	agtcacaaaa	gtccgtgcag	aaagagacct	aaagtaggaa
89761	ggggagtcag	gaatctaaca	gagcagccca	gaggtggagc	agagtcagag	acaccgtttg
89821	agatccgagc	acccactgac	tgacagcctt	cagttccaat	ccaatctgca	ctgcattctg
89881	ggtactaacc	ctgcacaata	accagctgca	attgccaaga	aaacctgtgc	agctgggtgg
89941	gagtgaatac	caaggatgtg	aactcaatgt	gctgcagctg	aagaaacaga	gttgtagctg
90001	gaaccgcccc	gtgggttcac	cttgccact	gcctacacag	aaccatttta	tcaagacagg
90061	ggaattgcaa	tggagaaagg	gtaattcacg	tagagctggc	tgtgtgggag	accagagttt
90121	tattattact	caaatcagtc	tccccaagca	ttcagggatc	agagttttta	aagataattt
90181	tgcaggtagg	ggcttgggaa	gtggggagtg	ctgattggtc	aggctggaaa	tgaatcata
90241	gtgggtcaaa	gttaggtttt	cttaacgtct	tctgttctct	gggtgtgatg	cagaaatgat
90301	tggggccacat	tactggtctg	gggtgtgtca	gctgatacat	ccagtgcagg	gtctgcaaaa
90361	tatctcaagc	actgatgtta	ggctttacaa	tagtgatgtt	cccccaattt	ggaggtattt
90421	ggggagcaat	ttggggattg	ctcagactct	tggagccaga	ggctgcatga	cctctaaact
90481	gtaatttcta	atcctgtagc	taattttatta	gtcctgcaaa	ggcagactgg	tccccaggca
90541	agaagagggt	cttcgggaaa	gggctgttat	caattttgct	tcagagtcaa	agcatctact
90601	gaattccttc	ccaaagttag	ttcggcctgt	gcccgggaat	gaacaaggaa	agcttaagtg

FIGURE 3 (continued)

90661 ttagaagcca gatagagtcg gttaggtctg atttctctca ctgtcataat ttcttgagtt
 90721 ataatttggc aaagacagtt tcataccag tgactgtttt cctgagtgct ttccagggtg
 90781 gtggccaggc agaggtgtgg tcgagtcggg aggtgggatg gttccagcct caggggcctg
 90841 gcttcttctt ccttcttggg gggacaaaat ggtcatcttc ctctgtctgt agtggtttcc
 90901 cctgcgtttt gttcttcttg ctatgtgtgg atgtgttggg ataagatagg gcaagatgag
 90961 caccgggaaa gggggctggc aagaggaaag gaacctgtc tgttctcttc cccttcccag
 91021 tgatgctgcc tctggagaag gtgaggaaaa ctgcaccca acaggctgca ggctcctggg
 91081 gccagagctt tctgcttttt ccagactcca tatgactgat gtgaaaacgt tgagtttctt
 91141 gagcctgctt gccctctggg tagtctaact gctctgataa taaaataagt gtagaggcac
 91201 tgaagttaaag aatttgcaat aaaaaagaaa atgaaaaatg gaagccataa gagaaatgag
 91261 tattggatca agtgtgaaga atgggaaatg tcaaggcact tgataatttt tctgctaaca
 91321 aacagacatt gtgaagggtg aagtttccat ggttttctt ccctgcgttt tcttttgcta
 91381 ttgtcatgag atctaggggc atgagggatt tgtcatttga gtgttacatt gcaacaaaaa
 91441 gcaaggcaga agtacagaat ccacttaaat gagagtatga acacaatagg aggttttgct
 91501 acctggaatt agatgttgaa ttgctgctct ctaaacttta ttttctatat aaaaagcttt
 91561 aaatacaatc atttaattat tcatttaaag tttatattaa caacatttag tgtgcacctg
 91621 ctatatgtaa agtatcccac taggtactat tcatcaaatt aaagccagct attatgattat
 91681 gaaaataaac catggcccac ataccctgtg aagccctgtt aaaagcaggc aacatgcccc
 91741 agaaaatatg tttcctttga atttcacaga aatcttagtt tgaggaagaa aaatcaagag
 91801 tttttgttat aagccactat gtgtatgctc tgaaacagtt aatgtagaga acagaggtag
 91861 tggccataac tgaaataagg agatagtgag tgagtgtgtg tgtgacctaa ttcaagtttg
 91921 gtggtccaag tggatttttt cttggcctgt aaaaactaca ggtatttgca aaactgttct
 91981 aaatagtaat gtaatagaag ttttttaaaa attgagttag tgcataatgt tggactcaat
 92041 ttctccctct tttgggtact atatatggtt ctaatttcca gctgtgcagt tactattgta
 92101 aattctcaac attaaaaaaa ttttcagata caaattattt ttattgatac atacttttta
 92161 catattttaag gggtagatgt gaattctcaa caattaatat taaataaaag gagaagaatt
 92221 ctgttctatc ccagattaga aataccttag aatttctatt tgtgtctatt tccctccatt
 92281 ccattatttt cttctctctc ataccacatt tatatacgtc ttaccattta tttatattta
 92341 ttttaactct tacttcagga aacttagtat tgttctggaa tcagaaagcc cttctagcta
 92401 gtctgtcttg ccagggtctt ccgattcttc tccctcaaga agcaagtggg ggtgaccacg
 92461 tgcacataag agatttcccg tctgactcct cccaccatct gtgtagggtc cagaacctca
 92521 cgccaactgg ctctcttcag actgtgggtc actgggaaat cgagtcagat ttcagaaggg
 92581 tgggaaaatg aacctagaaa gtctaagtgt gagaaagcct taaaatatat cttcatgtt
 92641 ccacaatagt gattattatc tttggcgata ctgcaacata aatagggtatt cttggctagt
 92701 tcatctctgg cggcaccatc ttggcattta cactctacag aaaaggtagc tgaggagaaa
 92761 gatgggtcaa gttacttgcc acagatcaca cagattaaca gcagcacagt ctgggtgtat
 92821 atgtgtaata tatatctttt tattattttt atatacaagt aatggttgtt tcttgtagaa
 92881 aagttaaaac aatgaagatg agcaggaaga aaaaaatacc atccaaacac ccagcaaata
 92941 accatactaa tgtagacata ttttcttcta atcttctagg tatgtatgta tacatatatg
 93001 tacatatata tacacatgca cacttttttc taaaccataa ttgacctata acctcctttt
 93061 ttttttactt aacaaaatac tgggaatgtc tttttgtgtt tttaatattc agctattcca
 93121 tagtattcca ttttataatt atactgtaat ttaagtagcc agccctctcc ttttggacat
 93181 atatgttgtg ccaagtgttg attacaataa gtatttctga aatgaacatt ctacccata
 93241 catcttggtg ctgctttttt ttttttttct ataaccagg acagtgtctga agtgcttctt
 93301 ttctttaatt tctcagttt tagttcctag aagtggaat gctgggctgt tgggtttaca
 93361 catgtttaag gttctgatgc atgtgactaa attaccctcc agaaaagttc tgctttaagt
 93421 tctacttaac gctttccac cctgggacag ctgaagactg gccagagctt tgcagctgca
 93481 atgatgtgtt taccacctcc cttatccagc aacatttgca attagcctcc gacctgttc
 93541 ctgggattgt ttccggtgaa aattagccat gcctggctaa ttttgtatt tttagtagag
 93601 acagggtttc acctatttgg tcaggctggt cttgaactcc tgacctctgt atctgccac
 93661 ctcggcctcc caaagtgtg ggtttgggaa tggtagctgt ggatgcacct agaggtgtgt
 93721 ttagacacta gctgaaatca ctttggctct tctagcaaac ctagccaat gggctccact

FIGURE 3 (continued)

93781 cacáaagggt cagcttccaa gagcagattt tagctcaggg cctcttatgt tcaggacaat
 93841 aatggagtaa aaaaacaagg ctgaaaacca gaagatatgt gggcttaagc agatatgtga
 93901 atagctaccc acataggaaa aacaaaacaa aacaaaacaa aaacaaaaac agaaaaaag
 93961 gtgggagtc tctttttaca accatggata cctttttctt tctttttctt ttttttttt
 94021 ttgagacagg atcgctcttt tgcccaggct ggagtgcagt ggctcgatca tggctcactg
 94081 cagcctcaat cccccaggct caagcaatcc tccacctcag tgtoccaaagt agctgggact
 94141 acaagtatgt gccaccacac ctggcctttt tttttttttt ttttttgaaa tggagtcttg
 94201 ctctgtcacc caggctggag tgcagtgggt tgatcttggc tcaactgcaac ctccacctcc
 94261 cagggttcaag caattctcct gcctcagcct cctgagtagc tgggactatg ggcgaacacc
 94321 accatgcctg gctaattttt gtattttttac tagagacggg gtttcaccat attggtcagg
 94381 ctggtcttga actcctgacc tcatgatctg cccacctcag cctcccaaag tgctgggatt
 94441 acaggcgtga gccactgccc ccaggcctggc caattttttt aaatttactt tttgtagaga
 94501 tgaggtctca ctatgttgcc taggttgatt tcaaaactcct gaactcaagc gattctccca
 94561 cctcggcctc ccaaagtgcct cggattacag gcataagcct ctgtgccag ccaatacctc
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 94681 attacactcg atttgatgtg tgctgactaa ggcctgtgca tgcctagcat tgctttagtc
 94741 atggaatgaa tcacactcag gttcagattc tagtctgccc acttctctatg tccctgagca
 94801 agtgccttca tttatctgag actcactttc cttgtccata gttattccaa ttgcatttgg
 94861 ttgcagttag tagaaattaa gtatttaggc tgggcacagt ggctcacacc tgtaatccca
 94921 gcaacttggg aggcaggagg aggtggatcg cttgagctcg ggatttcgag accagcctgg
 94981 gcaacatggc aaaaccctgt ctctacaaaa aatatataaa ttagctgggt gtgggtggctc
 95041 acacctgtgg tcccaactac ttaggaggct aagacagaag gatgacttga gcctaggagg
 95101 cagaggttgc agtgagctga gatcgctccc ctgcaactgca gcctggggga cagagtgaga
 95161 tctgtctt taaaaaaaaa aaaagggaag aaatcaagta tttaaagcac ctaaggacag
 95221 cccccagccc catggtagtgc ctcagcaagt gtttggtgaa tgaatggatt catgctctac
 95281 gcttatatag agtttacttt gctttcagat tgggttctgc ttgctcattg tacttatcac
 95341 tatatgagaa ttgtattgtt tattttcaaa tttgccacat attgtctgtt tctccatcaa
 95401 cacaaaacat tctcaggaga agagttgggt cccagtgcct gaaaacagtg cctagcacac
 95461 agaagatggt gaatcaatat ttgtggttat ttctcactca cattccgtcc agcaaccag
 95521 tcttgttacc aggaggctgt tcagcacagg acacttatca caccatttgg tgacctcca
 95581 cttccccctc tgccacttat cacaccattg gttgacctgt gcttgcttcc agccatcctc
 95641 cgttacctga agaacgatgg gaaggtgcat ttggtggttt tcaacaacct gcagctggca
 95701 gacggaaggc ggcacaggat cctcctgagg ctgagcaatt tgcagcgagg ggcgggctcc
 95761 ctgagctct acctggactg catccagggt gaattcgttc acaatctccc cagggccttt
 95821 gctggccccc cccagaaacc tgagaccatt gaattgagga ctttccagag gaagccacag
 95881 gtaggaaccc acaaaccatt ctctgaagt gaaaaatgag ctgccagtgc ctaggaggatg
 95941 cagaggagcg tgctgagaaa ttctgtctgc aggtcagtg gtctaattgcc gcttgccat
 96001 cagaatcacc tgcggagctt gaaaagcaag tgatagggg ctgccctag gacaaactga
 96061 atccgaatct gtcgggtggg gcctagcata tttttatgct aggggcatca gcatattttt
 96121 aaaataccaa ttctaattgt atgcccgaat tgagagcttg tgctttcaat gataagtga
 96181 gactctggat acaattgtaa cgttggaaag gaagggcaaa agtaaaaaata actacctcag
 96241 ggtgatgaca ttatctattt tcaattttct ataataaaaa taaaaaagaa tgattagaaa
 96301 ctgccaagct ttcataacag cattttcaca ggtcttgtca gaacatccac taacaaaagg
 96361 gagcttagct tagctgcatt tggctttaag ataccatcac ctctgtcttc tgttttactc
 96421 cagggtgatg gtatttttat tattctgtca ttgcacctgc tgtagaaatt gccacatata
 96481 tttcttttag aattttgtgc taggcagtgc tttgttttct ataaagaact agtattcttt
 96541 gtcctttcca ataattgata actgggttaa gttcctgaat ttcattccgct atataagcca
 96601 atgtcaaate agtaactatg ttctctgta atgggtccata ttatttttgt ctgctacctc
 96661 tcaatcctca ctttccattt gtttaattcat tatattaata tatgcttttag ttacaagcta
 96721 ctctgagccc tttgtacaga gaagcagggt gtaagcaata atttccattg caagtaggaa
 96781 tgctgtgcag ttttagatag taatataaaa actatgaatc tgatcctaga agttttgccc
 96841 ttgaacaaca ggaagcattt ttaatcagaa attccaagaa agctaaaaatc cgaggttttt

FIGURE 3 (continued)

96901	ggggattttt	gtttttcagt	catatataga	gagattttta	atgtagattt	acatatggaa
96961	aaaaattaat	agaaagatat	gctaaactct	ctttctgcat	cccatagta	gcgcatgtaa
97021	tcagaatgac	agtcagaaat	tgtgtcactg	cttatttcag	aaattagtgt	tcaccacca
97081	ataagtcaat	ttctaaaagt	caggactcac	ccctgacaaa	gtcatcagaa	actgtactta
97141	ctggaatttt	ctcagaagct	ctacctcctt	agaccatggt	agtgtacaca	gtggctcagt
97201	ctcataatca	cctactcact	cattcagtca	gtcaacaaat	gggcacattc	taggcattag
97261	tgctaccatg	gtgggcaaa	ccagtcattt	tcctgactct	gcggagatta	tagtctgatg
97321	tccaatacaa	tatgtgttaa	atagcacatg	ttgcctaaat	cttagctaaa	tcaaaaagca
97381	gaattcctct	gaaaatcctt	agctgtgctc	atttctaaaa	taaggatgat	gacttcactt
97441	tggcagttaa	cataaatgtt	ttgttgata	tagatataat	aaagggtgatt	gcaagcagca
97501	ttcacaagat	aaaagggcaa	ggacattgac	tttttgacta	acaatgaata	atatcaaccc
97561	gtaatatata	aatatgatgc	caactaccta	atgatcatag	aagatatcat	ttattcattc
97621	tcatatccca	aagaagtcag	aggctttgct	agacccttga	gccaagacaa	ccaaaaata
97681	atactgttta	aaattgggg	taacaccta	tttattatta	tctaaattcc	ataaacaat
97741	tacagacaat	tcttaagagg	ctcctgccac	aaaataactc	ctttaccatg	taggaaaaga
97801	gcctttcggt	ttctcagctg	tcttggtgac	aatgccagca	ttttcctagg	ctactggcta
97861	cttacatatt	cacttttagtc	aaaaagatag	ggctggcagg	ctttaggaaa	aaatgtgatc
97921	ctacaaaatt	atgtaagatg	tcagagggtc	caagtataca	ggactacttg	attatgaaaa
97981	ttgcgtgagt	aggcaagcac	attggctttt	gaacagtgtc	agcaatctgt	ggtatgaatg
98041	tgattttctt	caggacttct	tggaagagct	gaagctgggt	gtgagaggct	cactgttcca
98101	ggtggccagc	ctgcaagact	gcttcctgca	gcagagttag	ccactggctg	ccacaggcac
98161	aggtgtgggc	tcttggggcag	tttgcatgcc	ttcatcaaca	caaactccaa	agaccctgaa
98221	taggctgggt	cccatcaccg	aaaagtggga	ctgtcaacag	agcagcccaa	caaaacgtat
98281	ctatgaaaat	cagtctcttg	aacaaaatcc	agggcacaga	atattttcat	tatgctttta
98341	tttttatgat	tcacatggaa	tttagactta	gtcagtggca	tcattatcat	tatttttttt
98401	agctgaatta	aagaaattac	cccaaattaa	attcaaagat	tctgggtttt	tgaatcatct
98461	tgtcaggatg	atttcctggg	gaataatttg	gttttgagtc	acttagaaat	gaccatcact
98521	ggctgaaaac	tctttgcctt	ttgctgttcc	tacaggggac	tttaaccggc	agttcttggg
98581	tcaaatgaca	caattaaacc	aactcctggg	agaggtgaag	gaccttctga	gacagcaggt
98641	aacaagcggg	acatatcatc	agaaaagccc	tcgtcttctt	agagcagctc	cccacaagct
98701	agtggagctg	caggcctgcc	caggcacggg	ggcagcctct	gagccagatc	tccggggggc
98761	cacgcagccc	cgcacgccag	ggctctgctg	gaagttctct	ggaaatgggg	tccaagctcg
98821	tgatgaacac	accatggctc	taagcagagc	gggagccatc	aagggtgctg	aacgctactg
98881	taagaagtgt	tacagagagc	caggtgcggg	gcctcatgac	tgtaatccca	gcactttggg
98941	aggctgaggt	gggcagatca	cgaggtgagg	agctcgagac	cagcctgaac	aacatggtga
99001	aaccccgctc	ctactaaaaa	tacaaaaatt	agccaggcat	ggtggtgcat	gcctataatc
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99121	tgagctgaga	tcgtgccact	gcactccagc	ctgggcgaca	gactgagact	gtctcaaaaa
99181	aaaaaaaaaa	aaaagtgtta	catagatagc	tccacatgga	ttctttcatt	cctggatgat
99241	atcaggcatt	ccttttcaat	ccttttttcc	ccttctcatt	tttaaagggt	aaggaaacat
99301	catttttgcg	aaacaccata	gctgaatgcc	aggcttgccg	taagtgcctt	tctagtaatg
99361	ggctcgctcg	agttggatga	tgcaggctga	tgaagggtct	gcggtgaggc	tgtgttgacc
99421	gcagtttctg	aaggtctacc	acatagttgg	aggggagggg	ggaaaagtcc	aataggaaac
99481	caaattttgt	tttgcttctc	gtatatcttc	ctggcggtga	atacgctgtg	ggatgattgt
99541	ttttctctag	gtcctctcaa	gtttcagctc	ccgaccccaa	gcacggtggt	gccccgggct
99601	ccccctgcac	cgccaacacg	cccacctcgt	cggtgtgact	ccaacccatg	tttccgaggt
99661	gtccaatgta	ccgacagtag	agatggcttc	cagtgtgggc	cctgccccga	gggctacaca
99721	ggaaacggga	tcacctgtat	tgatgttgat	gaggtaaaa	ttcacttaga	ctgggagggg
99781	atccctaagt	atcctctcca	ccctgcagct	tttgaaaaaa	gaagccaagc	tgatgattaa
99841	gggctgactt	gggctgtcct	ccaggctcca	ttgaaaccac	ttgcttggag	acccctgagc
99901	aagggtgggc	ggaaggagac	atgacccaag	gttatggctg	cgtttgcctc	ttttcctctg
99961	tgtttccaac	tcttctactg	gtccattggc	tacagtgtcg	aggtttctgc	tttacacgct

FIGURE 3 (continued)

100021	gaçatttgca	ttgggtattt	ctcttaaata	gtctgtgcta	caattttgtt	tttccccac
100081	ttttgcaaat	gtggaagggg	aggatttttc	taaggggtata	tttcaggagt	caccgtggat
100141	ttcttcaggc	ttcctaaaat	aaaggagcag	aggggaatct	cacaccaaca	agggggaggc
100201	cctgtaacct	atgagtaact	aaacgtgccc	agggaggggc	ccagaggagg	cacatccagc
100261	aaataccagc	tatttgaccg	gctggcagag	ccccagaaga	gactgtttca	agaccctggt
100321	taggcaggcc	agcctagtgg	ctgaagcctg	caatctcaac	actttgggag	gctgaggcag
100381	gaggatcaca	tgagcccagg	agtttgagac	cagccccggc	aacaagacaa	aaccctatct
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100501	tggaagatga	agcaggagga	ttgcctgagg	caggagggtg	aggctgcagt	gagccatgat
100561	ggcaccactg	cactctagcc	tgggcacaa	cctgtctcaa	aaaaacaaac	aaaaaaaaac
100621	atggtttagc	aatcaccagt	ccagttgcaa	agcaatgttc	atagcaggta	gcaaggctgc
100681	caccaaagt	tgccctcaat	gtgcctttct	cctcccaccc	agcccaagga	aggctgaaag
100741	gagaagcgca	ggggagagat	gcaggtagat	aacttaggca	cactgactcc	ctggggctcc
100801	tgcaggccca	tggtaatgtt	agtaacactc	agctgattac	cttcgctagt	agtaagcaat
100861	taagacggtc	tctagtaatc	cctcaattgg	agaaacaact	gcatacattt	cactgaactg
100921	catctggttt	ttatctgtga	ggtagaattt	tcctctttct	gaaagggcag	gaagtgggtca
100981	tgttttttac	attagttgaa	gtggtttaaa	aaaaacaaaa	aacaatctcc	aagattccta
101041	gagccttgga	atagcatgga	cttgacagga	catggaggca	ggcacaggcc	ctgagggatt
101101	acatggtaat	gaagaggcac	cggccctggc	tttgcttct	cgaggtcttt	ctgattgagt
101161	agttggtttg	ctgatgcttt	tggaggcatc	taacagccag	ctaagtggtc	cagggacata
101221	gtccctttcac	agagattttg	aaattccatg	tcagaatatc	agggagctta	ttacattgag
101281	aggtaggctg	gttaatatca	aggacccttt	caacatgcat	gtgccattat	tctacagcac
101341	agcaaagcct	actaaaaagc	aacctcagat	tgtgtgggtca	gggattcagt	gggtaactgg
101401	agttggaagc	ctttattttc	ttttattatt	ttttccacca	aaagatagtt	aaatgactaa
101461	acaagtatgt	gcaaatagat	gaagaaaagt	ttgagagtgt	tttctcgggtg	tggctaaaga
101521	ctttgaaactt	ttttgtctcc	agtgcataa	ccatccctgc	taccggggcg	tgcactgcat
101581	aaattttgtct	cctggcttca	gatgtgacgc	ctgcccagtg	ggcttcacag	ggcccatggt
101641	gcagggtggt	gggatcagtt	ttgccaaagtc	aaacaagcag	gtaggctgaa	gtcatggttt
101701	ctattcattt	ctcatcttaa	caaaacaact	gtgggtgggt	cccacctctt	tgggtataaac
101761	ctttacctcc	atgagcagtc	aaggccatgt	ggaatgtcat	gggtgcaaat	gagcaaat
101821	ggaagttttt	caaccatttc	tgagtattta	catttataaa	atctagaagg	gaggaagctt
101881	ttaagagggg	ataatagagt	atcactagaa	aaacagtaaa	tggggtaata	tggctattgg
101941	cataatttca	gtcttatttt	gttgatagct	gttgagcatt	ttgtcctgca	gaataagttg
102001	agaaccacgg	agacaaaagc	tttgaaaaat	taggtcactt	ttgtagagtc	attgttgcca
102061	atcgaagctg	tttcagagat	gaggggattt	taagagtaga	aataatcccc	caaggcaacc
102121	tccccctttt	cttatgtaag	ctataaattg	ccataaagca	cttgagtact	tcttgacagt
102181	ctccatttat	ttcccaatgc	tctactatat	tctgggtcatt	atttaactga	ctgactgtga
102241	aattcttttt	gatgttttta	gcccttaaaa	atgggtgttc	tataaatata	ttttactacc
102301	ttagggaaat	tattagcttt	gaagaagggc	aggggtttat	tatttccctag	ctgcctatca
102361	aaggggttcta	gagggcatga	tttttttaag	ttattgttat	actttaagtt	ctaggggtaca
102421	tatgcacaac	gtgcagggtt	gttacatatg	tatacatgtg	ccatactggg	gtgctgcacc
102481	tgttaacttg	tcattttacat	taggtatatc	tcctaagtct	atccttcccc	cctcccccta
102541	ccccatgaca	ggccctgggtg	tgtgacattc	cccacctgt	gtccaagtgt	tctcattggt
102601	caattcccaa	ctaagagtga	gaacatgcgg	tggttggttt	tctatccttg	cgatagtttg
102661	ctcagaatga	tgggtttctag	cttcattccat	gtccctacaa	aggacatgaa	ctcatccttt
102721	tttatggctg	cataatatcc	catgggtgat	atgtgccaca	ttttcttaat	ccagtctatc
102781	attgatggac	atttgggttg	gttccaagtc	tttgctattg	tgaatagtgc	cacaataaat
102841	atacgtgtcc	atgtgtcttt	atagcagcat	gatttataag	cctttgggta	tatgccacgt
102901	aatgggatgg	ctgggtcaaa	tcgtatttct	agttctagat	ccttgaggaa	tcgccacact
102961	gtcttccaca	atggctgaac	tagtttacag	tcccaccaac	agtgtaaaag	tgttcttatt
103021	tctccacatt	ctcttcagca	cctattgttt	cctgactttt	taatgatcgc	catttctaact
103081	ggtgtgagaa	ggcatctcat	tgtgggtttg	atttgcattt	ctctgatggc	cagtaatggg

FIGURE 3 (continued)

103141	gagcattttt	tcattgtgtct	gttggctgca	taactgtctt	gagaagtgtc	tgttcatatc
103201	ctttgcccac	tttttgatgg	ggttgtttga	tttttttcct	ataaatttgt	ttaagttaag
103261	ttctttgtag	attctggata	ttagcccttt	gtcagatgga	tagattgtaa	aaatgttctc
103321	ccattctgta	ggttgccctgt	tcactctgat	ggtagtttct	tttgctgtgc	agaagctctt
103381	gagtttaatt	agatcccatt	tgtcaatttt	ggcttttggt	gccattgctt	taggtgtttt
103441	aatcatgaag	tccttggagg	gcatgatttt	ttagactaga	aaagggaggc	cagctagaca
103501	tataggaatg	ataagaagct	gttaagagtc	ctctaaagac	aaaatctcta	agaacaaacc
103561	aaggaaacat	aaggtacttg	gtgtaaggta	gtaaggagca	cttctcaata	gatttccagt
103621	aacaaggcag	acagaactga	agtggaaggg	agccaccttg	ctaaatttaa	cagcaaatgt
103681	tactgcattc	caaagtcaaa	gaaaataaaa	ggaaatggcg	cagtgtccag	aaacaaagag
103741	aaaactcaaa	gccagaactg	tgactagagc	tgatgccaca	gcagatcctg	ggaggtggga
103801	gttgggtcca	ggtcttagta	acagggacct	ggcttttacc	acctgtgtgg	agtggatgca
103861	gcaatgtagt	ctgggaactt	tggaaaggcc	taacaccctt	gcataagtcc	aggaccctca
103921	gagaaccacc	ttatcaatta	caaggagaca	ggaaaccttt	agtagcccta	agaaacaaca
103981	aagaagctct	ttagctttta	tacatggttg	acaaaaatga	aaattgccta	cagcaaatca
104041	aagcaccaca	cttgtagcac	atacagttat	gagttccaaa	tctgttatac	atataatgca
104101	gaaacacaga	ccaaaaaatt	aaaataataa	ccagccatga	agaagtgaat	tccccagggc
104161	tctgactcaa	gtcaaaggca	caccactctg	taaagacatg	ccaaaattca	gggccaatgg
104221	atatacccaca	ggcaaaaatt	gggtactctg	agatatgctt	ataaacaaaa	atggcagttt
104281	atataaagaa	actcccatga	ggaaacatga	taaatgcaaa	gtaaatataa	aaaggtaaag
104341	aaataaatac	catacttaaa	gaataggggca	atgccccaac	tgggcaacat	ggcaaaatcc
104401	catccctaca	aaaaatacac	acaaaaaaat	tagccgggtg	tgatggtgca	tgctgtgtgt
104461	cccagcaacc	ttgggaggtt	gaggtgggag	gatcacctga	gtctgggagg	tcgaggtgtc
104521	cgtgagctgt	gattgtgcca	ctgcaactca	gcctgagcga	cagagcaaga	ccctgtctca
104581	acaacaacaa	caaaaaaata	tagggcaatg	tgagaaaaac	agataagttt	gtaaaacaga
104641	caaataaaac	ttttatcaat	ggaaaatcgt	tgaacttaat	agatgggcaa	aacagattag
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104761	cagcacagag	aaataacgac	atggagcata	taaacaagag	gttaggagtc	aaaagaagat
104821	attaacaaga	aagttcgata	ttcatccaat	tgtagttcca	aagaaagact	agaaagcagt
104881	cgggggaagc	tgagaatggt	ccagaattga	aaaaagctaa	gaatcctcat	ttagggagaac
104941	tgcatgtgatt	cccaagcaag	attaaaaaaa	aaaataaaaac	tttcctaacc	taaaaagggtg
105001	atggaacaga	tgaattatac	aagttgtctt	ttctgaataa	ctttcaatac	catgaaagca
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105121	taaccctcag	attaccattc	taccggaaat	tccgcatctt	cacttcacac	aaagatagca
105181	aaacaaagga	gattttattt	catttctatt	taagcagcat	gtctcgctaa	actttctttg
105241	aacttttctg	cactaggtct	gcactgacat	tgatgagtgt	cgaaatggag	cgtgcgttcc
105301	caactcgatc	tgcgttaata	ctttggtaag	tatttctcac	agctgttgtt	atcaaagcag
105361	aaccggttat	taaaacaagt	gtatgtttat	agatcatagc	ttccaaacac	acctagaaca
105421	tgtgggcata	atatatttga	ttggcagaat	aaaggcaaaa	gtttgtgctg	aaaaagtggt
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105541	tttattttct	atcaaagttg	caatattag	ctattagata	actattttat	gagtaataaa
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105781	atagaaaaca	aaattagccg	ggcctgggtg	cgggtgcctg	tagtcccagc	tactctggag
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105961	aaacttttca	aaacttttca	ttgtattaaa	ttaaagtgtc	tagcacttag	ggatgcctat
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106081	tgagagatgt	accagagttg	actatcaaga	aaagaactac	tgattacgtg	tatgactatt
106141	tgaaagttat	ccagcctcta	ggttccctgt	ttccttgtaa	gtaaaaacac	tttacattta
106201	tcaagtcact	tatttttaac	ctcacaacaa	cctcataaac	agggattatt	attatcccca

FIGURE 3 (continued)

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 106381 agtagtttga ggctacagtg agctgtgacg gccactgcac tctaacctgg gtgacagagg
 106441 gagacctgt ctccaaaaag aaaaaaaga aatgttacgt atttagacta aggtcacaca
 106501 tcttccaggt tggctacaga gcctgagttc ttctccgcaa tgctatattg cttaggaata
 106561 gatggggatt tattgcttct cagcttttac caggacaaag tagtctgcaa atagatttgc
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 106681 tagaactcca ggaaacccca aaaacgaagg actaggccaa ggaaaaagag cagaagccag
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 106861 atatacttca aatggatgtc ttttacgacc tgtaaatgtt atgccaataa aactgcataa
 106921 gatgaaaaag atctaagtga cagcatggtg actgtagtta ataatactat attatatata
 106981 tgaaatctgc taagagagca gatcttaagt gttctcactg aaaaagaaaa aaagggaagg
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 107101 acgtatatca catcatcaca ctgcacactt taaatatatt cagttttgtc aattatacct
 107161 caataaagat gaaaatttta attttcattt tttaaacata ttgtataata tttattacat
 107221 atatagtgtg cagtgtgata atatatatta tatatataaa agctaaaaaa acctggcccc
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 107761 gctcaaactg tacctttggc cacagctttc agctcatcac ctgatctttg ttccttgccag
 107821 ggatcttacc gctgtggggc ttgtaaagcg gggatatactg gtgatcagat aaggggatgc
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 107941 attgaagaga ggcaggggga tgtgacatgt gtggtaagtt gttttttgac ttcctctatc
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 108361 cctgctgtca tctctaactg tctcatcct tacaacttc agagtctgtc tgccctgacg
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 108961 cgtcagactc tggggtcact ggttcacagt gatcaccct gagtagcaag atggattctc
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 109201 ggaagaatgt ggtgtatcag agggggaata accccagcaa tttcctgaat tctcatggt
 109261 tgggcttgtt tattacaaa aagcagtcac tgagaaacaa gtgtatatct ctgttgaaat
 109321 cccatttttc tgtgaacaaa ttgacaactc cctgggatg atgggtgatg gggctcttaa

FIGURE 3 (continued)

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 109501 agaggacatt ttttcctcat taaagtgagt caaggatcag cctcgtggat cagccttcca
 109561 ggccctccaa aggccttgct ggggcaagtg agcaggaacc aggagcccg gagggtctct
 109621 ctggagttct gctcctaaa tcttggttgc agagggagag cacagatgat tgagaataag
 109681 caggctgtgg ctgaggaagt cactggtctg aaagcttttg ggtggtgagg ccaggaaatt
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 109861 tccctgtgac cttctgggtc cctcctccc atctccttct tgctgtctct cctgttctctg
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 111061 aattcagttg acctgttctc attgttctct gagagagtag gaatagaatg actgattcgg
 111121 agccttccag ctgtgggtgg ctcatgttgg cctgcactctg gaagacccaa ggtggacttg
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 111721 gacatcatca aacacaaaac tgaaaagaga gggacacaaat ggaccagct ccagcacaac
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 112381 acacactgtg ggctgaaga tgggtgggatg aacaccacac aagatctgaa gccctaggga
 112441 ctatctccca ggctgtcgat tgctgtgag gttagtaaca cgaacttcat gatgtcatt

FIGURE 3 (continued)

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112621 gccagggatg tgttgcattc cccttctcac tctcctccc tgtctggata attgggtatg
112681 atgtgtcatt tttttttaa gcccagagag aggggagtca tgggtgccct ctgtgactca
112741 ctcattgatt tggccaaatt gcaaattgca gaagcaaagc aaaatcaacc tgccttctcc
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113161 caccaatcag gacaggtatg gcatgtctcc caactgcaga gagacagatg caaacatccg
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115501 aaatgactca ttctgctatg ttttaattcc cacaaggtg aaccttggag aagaggatag
115561 gaactgcttg tttttgcata aaaatgttca gggctacata gaacggctgc taatggaaat

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FIGURE 3 (continued)

115621	agctcagtct	tgtgttttat	aaagcagacc	tgctgcatgc	acagggattc	tgctgtttga
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115741	ctgtaccatg	tggtaggtgt	ggccctagag	catgggtctg	tccctggctt	ccctctccaa
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116041	gcgtggccct	gttcactttg	cccttctccc	catggcgctt	aggtctgaat	cctcattgga
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116161	gtcagcactt	ttcatatat	tgaaatttaa	tatgcaacat	tctgattttc	atcatttaat
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116281	atagagaggt	caggtgtcat	gcctgaggtc	acacgctggg	cacagtggct	gagccaggat
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116641	aaatggatcc	ttcctgttcc	ctgctgaact	gtgagccaca	tcacctgtcc	tttctcctgc
116701	agtgatggag	atgggcacca	ggacagcaca	gacaactgcc	ccaccgtcat	taacagtgcc
116761	cagctggaca	ccgataagga	tggaaattggt	gacgagtgtg	atgatgatga	tgacaatgat
116821	ggtatcccag	acctggtgcc	ccctggacca	gacaactgcc	ggctgggtccc	caaccagacc
116881	caggaggata	gcaacagtaa	gcaggctcag	cccagagctg	cacagcaccc	ctgggctccc
116941	ttcagccagg	cacatggggg	cacgcctctc	tccaggcacc	aactcagaat	atcccagct
117001	cccacagct	gcttctctac	accagcttc	tctgcatagc	tgcagcttgt	gtggacagca
117061	gatattctgt	agacaccagt	ctccaactca	gtcaggactg	agctgctttg	catcttctctg
117121	aacaacccta	ggatgccatc	acacaggtca	gggaagcagc	cacacactgt	ggctcagtcc
117181	ccaaagggt	tggagagctg	ctccaccatc	ttacctgtca	cctgccacct	tccactggga
117241	gtcccagaaa	aggagcagga	tagagagaat	ggcacagtag	aagtgggtata	tgctgggttc
117301	acaaacacag	atgcctgcag	gtgccaggca	gataagaaaa	tgtctgcacc	aagccagaca
117361	tgagacagca	gggagtgttg	gggactgaag	tgacctggag	agggcatgcc	catccacagc
117421	agtgcacatg	caaaaatgcc	agcacgttag	ctgaacaaca	cacacgtggg	ggccaccaga
117481	agttagtgtt	agagatatct	tggtaacaat	aatttccctg	ttttctacac	attacagtcc
117541	agaaaagtgt	gtagacattt	gcttatgtga	ggtcaagctt	aagatccacc	agttgggtgaa
117601	ctcaactgta	ggtaataaga	acttcttgag	gacagagtgg	agggcaactg	ctcaaatgga
117661	tctttcaaaa	aactctggga	ggactggcct	ggtcacccag	tacaaggact	ccagaatggg
117721	gcctggcacc	agctcagaca	tgtccccagg	gctcctctcc	caacactgat	gggaaatcat
117781	ggccctgggt	gtgggagctt	gagcccttct	gttctctcatg	cagccccctt	ccctgccaag
117841	gagtggcggt	gggtgtgagc	gctattgagc	tctgtctctt	tctccacccc	actcaggcga
117901	cggagtggga	gacatctgtg	agtctgactt	tgaccaggac	caggtcatcg	atcggatcga
117961	cgtctgcccc	gagaacgcag	aggtcacccct	gaccgacttc	agggcttacc	agaccgtggt
118021	cctggatcct	gaaggggatg	cccagatcga	tcccaactgg	gtggctcctga	accaggtgag
118081	tgtcacatgg	gcggcaatgg	ctcagccttg	cctctcaaca	gaggcccttc	tgatagtggg
118141	aggtcatgtt	tagagggtgc	agacaataag	ccaggcatte	ttcacattcg	ctcttattcc
118201	tcaacagccc	tatgacagac	tacttcaatt	atgcccattt	tacagaggat	gaaattgtct
118261	gctacagctt	tcatgattgt	agcagcttta	atgatggtag	cactgtggta	agtagctgag
118321	atgactggaa	ttgggaccca	ggcagtctga	ccctagaacc	cacacttctg	atctctgcag
118381	cagactgcct	tctgcatatc	ctcctcattg	tgttaactaag	aagtgcaggc	acagagaggc
118441	ttagtagatt	ttccagagtc	acagagcaag	tcacattgat	tagaagtata	tgttgatgac
118501	tccccagtta	agggcctgtc	caatcagctt	aagtgcacagt	ctcagcaaac	ttatttctat
118561	tcagctttga	gctttttttt	aaactttaca	agcacatgct	ttctttgagc	acataacaca
118621	atagagcaac	tatttcagat	aatgaaatct	ttatatggag	gtcagacatc	actggccact
118681	cactcatatg	gtgcctgagg	ttttgagctt	ccttaagggt	acttggcccc	ttcaagactg

115621 agctcagtct tgtgttttat aaagcagacc tgctgcatgc acagggattc tgctgtttga

FIGURE 3 (continued)

118741 ttctgaactc cctcaactct ctctgcaggg catggagatt gtacagacca tgaacagtga
 118801 tcctggcctg gcagtgggta tgtccagggc ctcagttgcc actcacatag aattcttcca
 118861 gctactagtg tggtttgtct attgttctaa tcttatctgg tccctacagg gtacacagct
 118921 tttaatggag ttgacttcga agggaccttc catgtgaata cccagacaga tgatgactat
 118981 gcaggcttta tctttggcta ccaagatagc tccagcttct acgtgggtcat gtggaagcag
 119041 acggagcaga catattggca agccacccca ttccgagcag ttgcagaacc tggcattcag
 119101 ctcaaggtat tgggtggttg aagtcatcca tctcccttct ttctggacct ctcatctttt
 119161 ttcagatatt gtgttttccc atgtgggtact tagttaatct aaaaaaatt gatgcattta
 119221 tgctaacgtt agagtcaggg aagactacag ttgacccttg ccttcattcc tgtgtgccag
 119281 ctacattcta acctctcatg gtgggaatcc cagcctacat gaggtcagag agaggggaagg
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 119521 atgtgcagca ggaacaaaca tggaaatgtgt aatggaatac tgggcaaggc ttagtagtaa
 119581 aagggtgggg tcacctccat agaaatgaca tttaagtgtt tatgctttgt tctgaatcca
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 119701 gaagggtggg gcctgtgtcc tgtcctaaaa ccttgcttgt gtcatcatgc aggtgtgaa
 119761 gtctaagaca ggtccagggg agcatctccg gaactccctg tggcacacgg gggacaccag
 119821 tgaccaggtc aggtctgtgt ggaaggactc caggaatgtg ggctggaagg acaaggtgtc
 119881 ctaccgctgg ttcctacagc acaggcccca ggtgggctac atcaggtagg tagaggcccc
 119941 atctccttac cttgctctag aagcaaagca ttctccgttc tgcattcccag agccttcatt
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 120241 gtggacatgc caatcggtat gaggtgaag gtgtggcagg gtctcttctc cacacctcc
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 120361 gcaactatgt ccttacagtc tgtcttccct gctggatcac aaactgcatg agagcagcgc
 120421 ttgtatcttt tttttttttt tttttttttt ttggagacgg aatcccactc tgttgccagg
 120481 caggagtact gtggcgtgat ctacagtcac tgcaacctcc gccttccctg ttcaagtgat
 120541 tcttctgcct cagcctcccg agtagctggg attacaggca cgcgccatca cgcaggcta
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 120661 ctgacctcgt gatccacccg cctcggcctc ccaaagtgtt gggattacag gcattgggcca
 120721 ctgtgcctag ccatagctta ttattttatc ttgatctccc cagtgcctag cacaagcct
 120781 gacatctact acacgtggca tgaactgate atcatgtagg ccaaagttag ctgacttctt
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 120961 tcttagccta ttaggatatt ttaggaagga gtactgagtg cattctctc atcagggcag
 121021 gaaagcagcc ttgtggaaaa aagaaaatca tgagggcaaa ttcattgttt gtttctctt
 121081 gtgacattat gtcaaagtga ctctttttgt ctacagtgat gatgatcatg ttctcagccc
 121141 tattaagccc aatgccctt tttttattata aatattttga aatgccccct tttccgtccc
 121201 aaaatggaat catagaaatt acaacctacc atctagaaaa tcaatgtgag
 121261 cctaacaat atcatagaga aataagaata atttataaca aaataattta aatatttgag
 121321 cacagccaca ccagaagaca aaatgaaaca gacacttgca cccatgccta gaactactac
 121381 gaagggtgaca ttctaacaga ctgttgtgtc agtgacttaa atgtttgtta cactgggtga
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 121501 tttctcaatt taccctggaa aatatagttt aggtttctag gccctgatag ttgctcttta cctaccctgg
 121561 gtttacaagt gaaagtgagt acactccaga agtgtatgga atgcaggaca ggttttgatt gttctcgcca
 121621 tgtctgagga cgcctccag catccctggc tgccatcact cagtgcact gtgacaaccc
 121681 gggcattgct cacagattcc tccaactcta cttagggagt gctgtctct gtggagaatc
 121741 aaagtgtccc gattccacca aaagatataa atcagaccaa aggaaaagcc aaagttttta
 121801 attgctctga

118741
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 121801

FIGURE 3 (continued)

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121861 agcatggtat ctagacaagg caactcacat gacaataaga cacaaaactt tctcactcaa
121921 gatagcaggt ttggtttggt ttgattttta actcaagttt gatagtgtga ccaacatcat
121981 gttaggcctt gtgagagaca gaagttggga agaaacaccc cccacccccc tccacacaca
122041 cacggacaca cacggtccct gccctcaagg acttccagtc tagtaagtaa gtggcaacag
122101 ctacagtaca atccagggtca gcgaaaaatg gagcctaaaa cagagcaaag aaagacgcag
122161 gtacgtataa gaagtggggc ccctgggcct cacagtgggc actttacccc gggttggatt
122221 tcatggaggc ccctccggcc gtgttgctcg cagggtacga ttttatgaag gctctgagtt
122281 ggtggctgac tctggcgctca ccatagacac cacaatgcgt ggaggccgac ttggcgtttt
122341 ctgcttctct caagaaaaca tcatctggtc caacctcaag tatcgctgca atggtaatgt
122401 gcattctcgt tactgttcaa cattgttact agaattagtc aaacactgcc acctattttt
122461 tataccgcac ttccccccca aaagcccaac gtcatacca catagtcatt aaaacctgat
122521 agtcctgtg taccagaagt aaaaagcaga tcacatttat cctattttat ccatgtggaa
122581 attaacgccc atagaattta actgcatggt ttagggtttg gggttcagtg agaaatccag
122641 tcagatttaa tttacaggaa gcctttattt tcatgtggtt aaaacataat cacagatgca
122701 aaatccattc tgctgtctga ttttctgcac ggccgggaag gagcactcct gggctttaag
122761 ccaacggttt gcaaagcagc ctgcaggaga aaatggcggc gagggcctgc ggggcgtcct
122821 gggcgggcta acagcgcccc ctacaggacg cctgagccgc gggcgggggg ccgggggtccg
122881 ggggtggaag agcctcgcta acctccctgt gccattcct attgcagaca ccatccctga
122941 ggacttccaa gagtttcaaa ccagaattt cgaccgcttc gataattaaa ccaagggaagc
123001 aatctgtaac tgcttttcgg aacactaaaa ccatatatat tttacttca attttcttta
123061 gcttttacca acccaaatat atcaaaacgt tttatgtgaa tgtggcaata aaggagaaga
123121 gatcattttt aaaaaccgtg ttgctcagac attgctctca cgtggctcag gctttgaggt
123181 gccgtttctc ggagggatcc ctgttaactt gcaggggtgt agtttcttct cagaccgggt
123241 ggccgataag atgagcctat gcgtgaatca caaggcccag gccagaggtc tcagctgggg
123301 tccccccagt ttgtccata caaaacgctt aaccgttcca tgctcacctt ggcagcctcc
123361 ttatttcggg taaggggtct cagaaaacac tgtttggggg ggcaccttcc ctaggggaggc
123421 gttttctgga cctagtcctg ggacagattt gcccaattct ttctgatgct gtcatcccat
123481 cccacactct ccacagactt ctattctggc ccttcaacg taattcttaa gcttatttat
123541 atatttggtt cccctagtgt gactgtaagc atattgacaa taaaggatca tgtcattaca
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123661 taaacgaaga atgaatgaat gaatgcctct taaaggacag tagagtgtac atgatcataa
123721 aagtcctcct caactcaaaa agtcacaaca taccctctat ttgtggtacc agtagctgga
123781 tgtacagcac agaaacttgc ctaatttgta cactagcctt tcttgattt caattgtaaa
123841 tcaagatcca agcaaatttt tataaattct ctagaaattt tgtttcaaag aatattgctg
123901 tgcggttata tattttctta ttccagaatt cctagagata tattaaatca tgtatgaaga
123961 aaaaaacacc acagttttat catgacttta acagtgagaa aatacaatgg tgcattgcatg
124021 agatctggag gattttctgga catcctctct tcatgtacag cctggagatg tgtgtggcct
124081 tgtaatccag gacatctgat ctctacatc aaaaactcca atggggccag gtgtggtggc
124141 acttgccgtg ggtcccaagc actttgggag gccaaaggcag gcagatcact tgaggccagg
124201 agttcaagac cagcctggcc aacgtggcga aacctatct tactaaaaat acaaaaatta
124261 gccaggtgtg gtgccacttg cctatagtc cagctatttg ggaggttgaa gtgggagaat
124321 cacttgagct ggggaggcag aggtgcagt gagcagagat tgcaccactg tactccagcc
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124561 atccagaaca taattccatc ccttagggag cttattacat ttttgggaag acaaaacttg
124621 ttattttatgc aaaacaagaa acaaagacgc atgtagaacc agcagtgtgc tgaagccaac
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124801 aaatcagggc tccagagaac tggttgttaa atatttatca gcacacaagt gattattcta
124861 cctgtccta ttctagttg gccctcetta ttttttgaa gctgatgtag aaaacttgag
124921 gctttcagaa aatttcttgc ataagaaatg aagtaagaaa agtgaaaatg ggtgggggtgc

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FIGURE 3 (continued)

124981 tatggctcac acctgtaatc ctagcacttt gggaggccta ggtgggagga tgccttgagg
125041 tcaggagttt gggaccagtc tggccaacat ggtaaaaccc catctctact aaaaatacaa
125101 aaattaggcc aggtgcagtg gctcctgcct atactcccag ctctcagggt ggctgaagca
125161 caagaatctc ttgaaccggg gaggcgagg ttgcagtgag ctgagatcgt gccactgcac
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125281 tgaaaatcag gaagcacttg agagaagcta gccagttgca gactgacggg atgagctagc
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125581 atggtgggtg gcacctgtgg tcctggctac ctgggaggct gaatggggag gatcacttga
125641 gccaggagt tcaagtccag catgggcaac atagcaagat cctgtctcac tttttttttt
125701 tttttttaag tactggggga atgggaggcg tggctgggaa agaaaagagg cattgtcact
125761 gtgggggaat gggaggcgtg gctgggaaag aaaagaggca ttgtcactgt agggaaaaga
125821 tcatggctga gtagaatccc acgggaagtg tgggagatct ctgggggcag gatgagggca
125881 ctgggggcag ccagaggagg cctgggggca tgggagcagg tgcacaaagg gatgtgcagc
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126001 attagtctta ggctccagaa gtattatggt gattatcctt aggttaattt tggagacagg
126061 ctatagagtt aaagagaatg aggaagatat agaattccagc cacctgctat tgaaacatct
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126421 cccaaatttc ctggggcagt atagtttcca cagtgggtga ggggtgtttta ttccagagaa
126481 ataattctag tactatagaa ttaagtatag agatgatgaa gtaaatggga cccatcatcc
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126601 tctaagagaa tttggcataa ttagagaatg caaattgaac ttgtgattcc agtatagaat
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126781 tccatcatga agtccagata ctctcaatt taaatagggt tatgttttga taaaaatcgt
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127321 aaaaaatgca taaatgaaat ttaaatatat tgtttttaat gttacaaatt agcatagtat
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127441 aagtttgcaa atgggactaa acattaatca aaagcctaaa agtgattata ttttttgcta
127501 tagagtaata agtagatttg catatttata gaatatagta aagtaatacg atttttaagt
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127621 caaagtcacc ataaattgtg ttttctgtaa aagacaacct ttcttcagg aataaggaaat
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128041 cccacggcaa gtcagaaata tcataagtga aatgcattt tatatatata tatatatata

FIGURE 3 (continued)

128101	tatatatatt	tttttttttt	tttttttttt	tagatggagt	cttgctctct	cgcccaggct
128161	ggagtgcagt	ggtgcgatct	cggctcactg	caagctccgc	ctcctggctt	cacgccattc
128221	ttctgcctca	gcctcccag	tagctgggac	cacagacacc	caccaccaca	cccagcta
128281	tttttgtatt	tttttagtaa	agatgggggt	tcaccgtgtt	agccagcatg	gcattttaata
128341	tcttgataag	cccatcataa	agtcaaaaaa	atcttaagtc	aaaccattat	aagttgggga
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128461	tttggttgaa	tatgtaaatg	atactgaggt	gggttcagata	at ttataatc	cactgtataa
128521	at ttttttttaa	tttacaagg	ttatttaagt	gcgtaggcag	gttttgtcag	acaagtgaca
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128701	taattaagtt	tacaaatggc	actagacaat	caaaagctta	caagtgtata	taaattttgc
128761	tataaagtaa	taagtagatt	tgtatattta	tagatgtagt	agagtcgtaa	gatttttaag
128821	ttgaacttct	atacttaagg	ttttgttaatt	tgtaacttta	atcaaacatt	aatttttaaaa
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129241	cccaacttgg	ggccctgggtg	tggcgatgtg	gcaaggagca	cctctctctt	ctccctacta
129301	catcaaaaaat	tttaaggatg	cctaaacatg	tctgcttata	tggagggctg	gggtgaatga
129361	gacgtccaga	atgaaagctc	tcctattctg	actgcgccac	ctgactgaga	agtaacttta
129421	gcttatttcc	ttggctcatc	ataaaagaac	gaaaagtatt	ttcctcacat	tgtctacctc
129481	ctcaactatg	gagtggacat	gcacccacgc	cttcaactca	ggctcttgag	aaaaacaact
129541	ttatttccca	aattttcacct	tgtttttctt	ctgagaactt	attgtgccaa	actcaagaga
129601	aacataacct	cagcttttct	tgggggtccc	attcttcttc	cagaatcaag	actctaggat
129661	gtcttctcag	aaccaagggtg	tttggggagg	gggacatcta	tcacacaga	ttccttctaa
129721	cgtgaccata	gtcagcaccc	accccccata	ctctaacaga	ccacactggg	gacctcaaat
129781	ctgtgtgaac	ctttgcagcc	attccttttac	tggcccctta	cctatggact	gcagaaagct
129841	cccacaggcc	tccttctcct	ctctctcagc	atggggagaat	ccttctcaag	tatgaggagg
129901	gaagccttat	tctccctttt	gcttttggtc	aagaaatctt	atccattccc	gggtgtccct
129961	cacttacgcc	ctgctatgac	ttgaatgtgc	ccctgaagt	tcatgtgttg	gaaactta
130021	ccctaataca	acacttttga	aaattaaggc	ctagtgggag	gtgtttaatt	catgagggca
130081	gagcccttgt	gaatggatta	atgtcagtta	taaaagacct	tgaggctgtg	agttccattt
130141	cttgcctctc	tatactctct	gcccctccat	cttcaccag	gggatgacac	agcacaag
130201	tctttaccag	ataccagcac	ttgatctatc	ttggacttcc	caacctccca	tgtaaaataa
130261	at ttcctttc	tttgtaagtc	accccatcta	tggatttctg	ttatagcaat	acaaaatgga
130321	ctaagacact	cccacaaaacc	ccagacttcg	actatgggct	tagctctggg	tacacaaaaa
130381	ctagaacagt	ttgcaagctg	gctctgactc	acaccaccac	agcctcactg	aaatagtggg
130441	cccagagtcc	actctgccag	aatggggagga	ctggggcaca	gggaaatattg	aaaaggaaat
130501	gggtcaatat	ctcaaagtgc	taccacaaca	tattgtgaac	aacttcaata	gctaatttta
130561	aaaaattctt	ttttagaaat	gaggtctcac	tatgttacct	aggctggctc	cacactcctg
130621	ggctcaagca	atcctcccac	ctcagcctcc	caaagtgtcg	ggattacagg	catgagccac
130681	cacacgtggc	ctcctactgt	ttagattttg	tcctaaaaga	tgcctatgtt	ttaaccaggc
130741	cagatcactc	accctagaaa	ttccacaaat	aaccaatgag	ctgatggctc	caggcagacg
130801	gggtggctgag	cccagttccc	atcctggcct	ggaggaggag	acctaggaag	tcacagctta
130861	ggatacactg	gggcggggcg	gaagggtttgc	ttttatccat	catccaagct	gtgattcagc
130921	gcataagtct	cccttttcatt	aagtttaact	tgttgagtaa	cattaaattt	atatactgca
130981	aagcacaata	gaatttcact	gctgtgaaca	tacgcgttca	caagcatcat	ccaactaagt
131041	gtgagcatct	gctgcctcat	tgggggtatt	tactagtcat	tcattattta	tttattttatt
131101	tatttttgag	acggaacctt	gctctgtcgc	ccaggctgga	gtgcagtggg	gtgatctcgg
131161	ctcactgcaa	gctccgcccc	ccgggttcac	accattctcc	tgtctcagcc	ttccgagtag

128101 128161 128221 128281 128341 128401 128461 128521 128581 128641 128701 128761 128821 128881 128941 129001 129061 129121 129181 129241 129301 129361 129421 129481 129541 129601 129661 129721 129781 129841 129901 129961 130021 130081 130141 130201 130261 130321 130381 130441 130501 130561 130621 130681 130741 130801 130861 130921 130981 131041 131101 131161

FIGURE 3 (continued)

131221	ctgggacgac	gggcactcgc	caccactccc	ggctatTTTT	TTTTgtattt	ttagtagaga
131281	cgaggTTTTa	ccgtgttagc	caggatggtc	tcgatctcct	gaccttTgtga	tcgcgccatc
131341	tcggcctccc	aaagtgtctg	gattacaggc	gtgagccacc	gcgcgccggc	tagttattta
131401	TTTTgcagca	cctatttagag	taaacagtag	cagatatcta	atgtctaaga	aaaatttatg
131461	gaaggaagat	ttgaacgaaa	aattttctcc	attagcatat	TTTTaaggag	TTTTcctcac
131521	aacaattcca	tcccactcct	accctccta	ccagaattct	gaggatcagg	gcttgagaac
131581	taacatctcc	aaagtcccag	tagctctgtg	gttttctaca	ggctcctgga	ggataaggac
131641	cgtgccatgt	ttatctcacc	ctccacctct	caataaagta	caaattTgtg	gaattggcga
131701	ggccaagagg	cctcaaattc	ttgtatcttt	catatcatcc	actagggggc	agcaatcctc
131761	taaaaatagc	ccctaaacca	gccactTTTT	tagctaaaag	atgactaaat	ttcattaaaa
131821	gtagaataac	aaacgcctgt	aatcccagca	ctttggcagg	ccgaggcggg	cggatcacga
131881	ggtcgggaga	ccgagaccat	cctggccaac	acggtgaaac	cccatcccta	ctaaaaatac
131941	aaaaattagc	tgggtgcggg	ggcttgccgc	tgtagtccca	gctactctgg	aggctgaggc
132001	aggagaatcg	cttgaacccg	gggagcggag	gttgcaagtga	gctgagaccg	cgcactgca
132061	ctccagcctg	ggcaacagag	caagtatgtg	tctcaggaaa	aaaaaaaaaa	aaaaaaagaa
132121	taacaacaac	tacaatttat	taaacactta	ctctgctcct	agcactatgt	tatatgctaa
132181	tagttcaggg	cttaagaaca	atTTTattTg	ccaggagtgg	tgtctcatgc	ctgaaatctt
132241	accactttTg	gaaggTgagg	caggaggatc	gcctcagctc	aggaattTga	gaccagcctg
132301	ggcaacatag	tgagacctat	ctctactgag	aatgtTTTaa	taattcgtca	ggcatggTgg
132361	Tgtgcactgt	agtcccagct	acttgggagg	ctgagatggg	aggattactt	gagcctgagt
132421	ggacaggctg	cagtgaagta	tgattgcacc	cctgcccttc	agcctgggtg	acagagcaag
132481	accctgtcta	aaaaaaaaaga	actcttattt	atcaaaaacga	acatctcaac	aaaaagcaac
132541	aaccaccaca	taggaaggaa	accaccacct	aaacgtgaat	tattgcaact	tagtctctga
132601	acgaacactg	aagcctcgct	ttctTTTtag	tattgcttcg	caaagacttc	tgcctTgtcc
132661	ctcagcctaa	attcacagga	tagagtcttc	tccatgagca	aagcaaagag	ccattcatct
132721	atccactcat	cattcactca	ttcttcagac	acacactgag	caattactac	ataccaggca
132781	ctgtgctaga	tactgggagg	gattTTTaaa	gtacacaaaag	ccagtccatt	ttagtccagg
132841	cctctgtatg	actgaaagcc	ttTgtcttac	tattaataat	actgatcata	actgcaaaat
132901	tatagtgtag	TTtagaatta	aatgaacctg	gccgggcgca	gtggctcaag	cctgtgatcc
132961	cagcactTTa	ggaggTggag	gcgggcagat	cacttgaggT	taggagTTTg	agaccagcct
133021	gggcaacatg	gcaaaaccca	tctctactaa	aaatacaaaa	attagccacg	TgtggTggca
133081	Tgcacctgta	gtcccagcta	ctTgggaagc	Tgagacagga	gaatcactTg	aacctTggat
133141	gcagaggTtg	cagtaagatt	gtgccactgc	actccagcct	gggcagcaga	gggggattcc
133201	atctcaaaaa	aaaaagaatt	aatTgcacct	caaagccaac	cactagattc	tctcgctctg
133261	TTtagaagac	attTgtTTgt	Tgtaagaacc	cagacttaat	cctgagaggT	TTtagcgggg
133321	Tctaaagaga	gcctcgctcct	aaacatccct	gccaggaaga	acacttccag	ggagcagggg
133381	gcaggcagct	tccTggccca	ggacagtctg	catgacctaa	attactTgag	tcaaaaattc
133441	TTTgggccat	atagtgtTTt	ggTggTgtct	gtTgggtTTt	ctattTgcta	actTgagcaa
133501	acattTTaaa	TTTgagtgtt	TTtagacaaa	aacctggatt	tccaacttct	ctTTaaaaag
133561	tcaaaagctc	cagcctccat	ctgcattcac	gcacaggaac	cttgaaaagg	gcctgtgtTg
133621	tccatgcacc	gcagtgtcca	cacatgtaa	TTTctacctg	actctgtaag	Tgctcgagta
133681	Tgagagtccg	tactTgggat	ttcccaggta	ccctgtgcgg	cctgcagggg	atatggagaa
133741	ggTtgggact	caacccctct	Tgtggcaggc	caggTctcac	gaatagctaa	acaggcaggc
133801	ctccatgaca	actgtTTcag	cactgactga	gtgcttaggt	taaacattaa	aggctgcaag
133861	agccagtgtc	cttacacaaa	ggctggaatg	Tgacaaaagc	caccaagagt	cttgccTagg
133921	cctttcctgg	gcctTgaagc	atgacaagat	aacaaagaaa	ttcttacatt	cctcgTacc
133981	acgtTTtagga	Ttaaacacgt	TTtattaggg	gtcagcaaa	aactccccag	accgccataa
134041	ctcagcggga	ggcaagataa	gggtaatcac	ccccagcacc	Tggacccatc	tagattaaat
134101	aaacttactg	aggctccgga	ggaaggTctc	caggactcag	atcttagtta	Tggattacag
134161	ggaatcagtc	actTgtgtct	TTtgatgaat	ccacacttac	atgtagacat	atagcttcat
134221	ataagcactg	gaaaactTTg	Taaatatgag	tcggtctggT	gatattTTcc	Tggcctctg
134281	cctgtaccgg	gttacagaaa	Taaactctct	tctttcccag	TTtatctgca	tctcattact

FIGURE 3 (continued)

134341 gggccatgag aacaagcagc ccaaccctca gttcagtctg ggaacactct ggctaacaac
 134401 ctgttagggg ttgtcaccac tgccctggaga ggataggggt acactggggg ccagccgaca
 134461 ggagctgagg tctcaggtag aagattccta ccttatcaat agatggaaag agattcaaac
 134521 ccagcatcac tgactctggt tccaaaatct gaaattcttt tatagcgaca gcacacattc
 134581 accaggtatg cagagaagag ttaacagcag gtccogagatg gctgctgac tttagttaga
 134641 aaggcctaata tgcaaagtgt gcccttgggt ggtatctgag cacttggctt tccagagtgt
 134701 tcccaccatt tctgaaactg ataagagtgg ttcaccatgt cttgactgta cagtgtgggt
 134761 tatgctgagc atctgctttc tttctgggag ttggaatttt ggtacatggt agggagaagg
 134821 tgccatacaag acgagaccct aataaaaacc ctgggtgttg agtctctaag gagcttccct
 134881 tgtggccaac atttcatatc ccttgtcaca actcattgct ggggaaatta agcacatatt
 134941 atgtgacttc cacctggaga agactcttgg tagcttgccc ccttgggttt ctctggactt
 135001 ggccccatac acttttcttt cttttttttt tttgggtgctg attttgcctt gtatcctttc
 135061 actgtaataa attataactg taagaataac tagatgctga gttatgcttc agccaatcac
 135121 tagattctat ttagaggggca tttgtttatt tgaagaactc agacttactt aatcctgaga
 135181 gtttttacct ggggtccaaag agagccttgt tctaaacatc cctgtctaga aagcctccga
 135241 tgagactttc tagcaaacca cttaaagtga gtggtccttg agaccccgaa acatcagtca
 135301 actatctcca acaactgaaa gaggtcttgg gcttacaag tgcaaagaat aattgaggtg
 135361 ctaggctcacc acaggcatca ctaatgagaa aataatggaa aacaggggcc taaaagttaga
 135421 ggccaatcac cacaaaacac ctgcagagct ggagaagcaa aactcaaagt ggagaccctt
 135481 gagattggac acatgacaag ggacagagtc taactgaagt ggtttatttg gttagtctca
 135541 tacctagaga aatttaaggt gaggcagtca ccccaatac cagctctacc cttctttcat
 135601 agtcatagt tcccaaattt ttgcaggaac ccagatgcc agaataaaaag attatacttc
 135661 ccaggtgagt tgtggccatc taagtcttga tcagtggcat ataagcaaaa aagttcatgg
 135721 tagcttcttg gaatcttctt ctaaagaggg ttaattttt tttttttt taaatggagt
 135781 ctactctgt tgccaggctg ggggtcagtg gtgcaatctt agctcactgc aacctccgce
 135841 tcccggttc aagtgttct cctgcctcag cctcccaagt agctgggatt acaggctgc
 135901 accaccacac ccggctaggt ttcaccatgt tggccaggat ggtctcggtc tcttgacctc
 135961 atgatctacc tgccctggcc tccgaaagt ctgggattac aagcgtgagt caccacgccc
 136021 agccagatca ttaatatctt ttattcgtcc tcttatccct cctcctagge tggaaatagg
 136081 atataatagc tggagttcca gaggtgtct tgagttgat agaaagcctt gggaaatagaa
 136141 gcgtcatcac agagaacaag atagaactga caccgtggag taacatacca gtaacagacc
 136201 ataagatttc tatcactgga ctttgtggac atgaaaaatc tccatctgtt cttggggctt
 136261 tactgttact tccagctaaa tttaatctc cttaatgcaa aagaaattcc ggatggggaa
 136321 gtgtttataa agtcatgtat ccagaaccat agactacca aatcttagat ctgaagagtc
 136381 atcaggaagc ttttgtttc agcctttca ttttacagtt ggaaaaactg aggcctagtc
 136441 acctctgttg tttgtcaggg ttacatggct agttaggagc aaaactgagg ccagatccca
 136501 ggttttgggg ctacaggctc atggttctca ttttctgct atgagaactg cctcaggtag
 136561 gccagggcag gggtaaaagtc caaaaggggg tttctgtcta gaggactcaa agaaaaagca
 136621 gtgtcggatt gccgtagctc acgcctgtaa ccccgactc ttgggaggtc gaggcaggtg
 136681 gatcgcttga gccagggagt ttgagaccag cctgggcaac atggtaaaac tccatttctt
 136741 caaaaaatac aaaaattagc tggatgtgat ggtatgtgcc tgtcgtccaa gctacttggg
 136801 agcctgaggt gggaggatag cttaagccct ggaggttgag gctgcagtga gctacgatgg
 136861 taccactgca ctctagcctg ggtgacagag tgagactcta tctcaaaaaa aaaaaaaga
 136921 aaagaaaaga aaagaaaaaa aagaaaacat gctgatagac tgtacgtgat gaaatttcag
 136981 agatctcctg ggaggccatc ccgcttccag tttcgatggg cagagactca acagtggag
 137041 gcaggtatga cctgggactt ctcaggcccc agcttccctc ctcttcacct tctctcacc
 137101 catcagactt cacacctccc tcttcccggt gtgttcaaac ctaagtctat acagagtgcc
 137161 tcgaacccat atggtgctta gtggtggaac ccgggctaga tttcacccca cctgtgcctt
 137221 cttggccagt cctctatga agtacacaga ccgacaacct tttacagagg actgggcttg
 137281 acaaagagct cgcttgatc catcttgett ccctgtgcgc acccgcccc actcacaccg
 137341 agggagtctt ggccctgctg gaaacaccgt ggcagatgct ttgggtggct gccatttct
 137401 ttcactttgt cattcacgga tgtcaaagca ccagcacctg cagttctttg tttctgggct

FIGURE 3 (continued)

137461	tcctctggtg	caaaagctgc	tttttctgcc	tatgttggag	gtgcggggga	tttaggagac
137521	ctaaggaatg	ggctccagtg	agatgaagg	aacgggtgtg	taaagcctca	gcccctcgcc
137581	tgggtggggc	tgagtctgag	gaatgtgccc	tgcattgttc	ccgcattgatt	aggctccagc
137641	tgcccccagt	ggtaaggccc	ctctcctccc	tctcctccct	ccccagtcta	ggggtgcttc
137701	acctcccaa	taaagagggt	tcactcatcc	ttatctcagg	gtctgcttct	gggggagctg
137761	accagaagca	aaccttctct	agcactcaga	ttttacttac	tccaaaatta	gggaatatta
137821	agtttgaaca	gataccctgt	gctcaaaagc	atgcgcacag	acatatatat	agaaatttcg
137881	ggccgggtgc	agtggctcac	gcctgtaatc	ccagcacttt	gggaggccaa	ggcggatcac
137941	ttgaggccag	gagtttgaga	tcagcctggc	caacctaggg	agaccccatc	tctacaaaaa
138001	taattattta	gctgagtgtg	atggtggaca	cctgtagtcc	cagctactcg	ggagactgag
138061	gtgggatgat	cacttgagcc	tagtagttca	agactacagt	gagccatgat	ggcaccaccg
138121	tactccagcc	tgggtgacag	agtgagaccg	tatctcaatt	aaaaaaggaa	atttccaact
138181	tttctctgag	cccactaccc	aaagacaatc	atatgcctca	gccactcagc	tgagctttac
138241	tgcccttcca	agaatagcct	agaaatccag	taaggacaat	ggaaactaga	aaaatgaaga
138301	gacactgata	ctggatctaa	ttcatatttt	taacccctact	caccacctgc	aatcacaccc
138361	accacagcc	ttcagtaagt	gctcagtaaa	tatctgttag	tcagcaaagc	tactgggagc
138421	acacactctg	cccttgccgc	atacaccttg	cccccaaccc	ctgctctatt	atggtgattt
138481	ccccactcct	agtctctctg	cacagaatgg	tgaagaaact	gcatttggtt	ttttcaaact
138541	attcttcagg	ccgggcacag	tggtctcatg	ctgtaatctc	agcactttgg	gaggctgagg
138601	tgggcagatc	acaaagtcag	gagttccaga	ccagcttggc	caacatgggt	aaacctcgtc
138661	tctactaaaa	attaaaaaaa	ttagccaggc	atggtgggtg	gcgtctgtat	tcccagctac
138721	tcaggaggct	gaggcaggag	aaacgcttga	acctgggagg	cggagggttg	ggtgagccga
138781	gatcacgcca	ttgccctcca	gcctgggcca	cagagcaaga	ctctgtctca	aaagaaaaaa
138841	agaaaaaaa	aatacaaaaa	aaaaacctat	tcttctgcac	cctcaggaga	atgggcccag
138901	aacatgctct	tgaaacaggg	tgcttgctca	gaaatacatt	tccatattag	caggcgcagc
138961	tgtcactcct	gctggaggcc	tggttgcttc	ttgagaactg	ctagtctcac	catttgccac
139021	atgcccaaca	ggaaaattta	attcacagaa	actcagaatg	ccagattcct	cctccctccc
139081	aactcaggga	tccctcgaag	agcctgcctg	acagctgtta	tctccttcat	gaacacctca
139141	agtgcacagg	aactcacccg	tgtatgatgt	agcctatcct	attggtggaa	ggctctagtt
139201	actaataatt	cttattagta	aacatcatct	attaaacatt	tgctatgtgc	cagcctctat
139261	taaaagtaat	ttaactagcc	aggtgtgggtg	gtgtgcactt	gtggtcccaa	ctacttgga
139321	ggctgaggca	agaggattcc	ttgagcccag	gagttcaaga	ctgcagttag	ctatgatcgc
139381	gccactctac	ttcagcctgg	gccacagaa	aagacctcaa	ctcctttaaa	aataaaaaatt
139441	aaatgaaatg	tgcttaacct	gtgtcaactc	atttaatcat	gacaacaatc	ctatgaaata
139501	gatgctattg	ttattactcc	acctgacctg	acaggcaagg	aaacttacag	cacagagaag
139561	taaataatta	gctgaagatc	acagagctag	ctagcaagtg	gcagaatgca	atttcaaaca
139621	aaaagtggcc	tttgagagct	ttcctctgtt	gccttttttc	tacttggggc	agaaatcttc
139681	catcctataa	gtgagccttt	ttaggtccag	atccttgtga	aattgtgatg	agtgccaaag
139741	accctttcca	tgctactgtg	catatggtca	caaaactctg	catattattt	caggggagtca
139801	atctacccca	gtccttggac	cccagggtta	gaaccacagc	taacacaaaa	taacgttgc
139861	cttgatatcta	tttggaattt	ctcttatgaa	cttttttatt	totaacagac	tttctccaag
139921	cttaattttc	cctatttttt	tatttttttc	agacagagtc	ttcctctggt	gcccaggctg
139981	gcatgcaatg	gtacaatctt	ggctcactgc	aacctctgcc	ttctgggttc	aagtgatttt
140041	cctgccttag	cctcccaagt	agctgggatt	acagatatgc	accaccacgt	ccagctaatt
140101	tttgtatttt	tagtagagat	ggggtttcac	cgtgttgctc	aggctgggtc	cgaactcctg
140161	acctcaagag	atccacccat	ctcagccttc	caaagtgtcg	ggattacagg	catgaaccgt
140221	cgcgccccgc	caattttccc	agttcttagat	gaaagaatgt	tcaaccacac	caatactcaa
140281	agatagacaa	attcaataaa	taaggtttaag	gtgttatttt	gtacctttat	aacaacaaac
140341	aactataaag	aaaataactca	aaaatcaagt	ctgtggccagg	tgcaagtggca	gacacctatc
140401	atcccagcac	tttgcaaggc	caaggcagggt	ggatctctga	gctcaggagt	tcaggaccag
140461	cctgggcaac	aagatgaaac	cccattttcta	caaaaaatta	gccaggcacg	gtagtgcgcc
140521	tgtagtgcga	gctactcagg	agactgagggt	gggaggatgc	cttaagcctg	gaaggccaaa

FIGURE 3 (continued)

140581 gctgcagtga gctatgatca caccactgca ctccagccca ggcaacagag caagaccctg
 140641 tctccaaaaa aagagtgtgt ggaggggtgt actcctgttg ctgctgctat ggtacctgta
 140701 tacactacca ttagaaattt ggcaacacac aggaaagact gatgaaaaca cccataagct
 140761 tttgacccgg taattctact cctcaaattt attccaaaaa aataatttag atggaaataa
 140821 aagtcacatg tagaaagata tttatagcaa acttttctct aagagccaga aaaaaaaaaa
 140881 aacaatgtcc aaaaaaacia ctggggaatt ataagcaa atgggtcatta gcttaatgga
 140941 acatataaaa taatgaaaag cattaaaaata acatttagga aaaaatgtgg aaggtggaaa
 141001 tcaacatgat gatgattgtc aattgtgggg tgataggggt gggatgcccc gggaactttc
 141061 aattcgcttt ttattgctc acttttaaaa gtgagagacc aaataatcag aacaaaagca
 141121 gctcagagga aagagagaga aactataaag gatcagagga tccctcaaac caaaatgaaa
 141181 caaaacacta taaataatat cctctatgaa atatgaaaag atatgcatcc acgaaagaga
 141241 aacagaagag gatgggggtgt aatcagaaaa catgaaagaa ggcttggcat ggtggctcac
 141301 acttgtaatc tcagcacttt gggaggctga gtggggcgga tccctgagg tcaggagtct
 141361 gagatcagcc tggccaacat ggtgaaatcc catctctaca aaaaatacaa aaattagctg
 141421 ggtgtggtgg tgcacacctg taatcccagc tactgggagg ctgaggcagg agaattcctt
 141481 gaacccggga ggcagaggtt gcagtgaagt gagatcgtgc cactgaactc cagcctggga
 141541 aacagagcaa gactcccatc tcaaaaaaaa aaaaaaaaaa aaaagataga gttattggag
 141601 atggagttat aacaactgaa gtagtaaatt caacagaaac tctggaagat aaagtaggct
 141661 aactatccag aaaattgaac aaaaataaat agagagatag aaaatgggag aaaagatgac
 141721 caatccagaa gacccaatat ctacctaata ggagtccgct aagagacaac agagacaatc
 141781 tccaggacag agagtgtaac tggccaagcc aaaggcatgt gcccaaccca tggctaggta
 141841 ggaaagggag gatctggccc atttgggtct agaaggaag ggactgtct cccccacaa
 141901 cccaggagta tgggtccccc aaaggaaaag taatagatgc tactagaaaa tgagggttag
 141961 atgatataca gccaaagagt accactgtcc actgcacagg aacctctgtt gactcctagt
 142021 aaccacacct tcttctctaa atactcatag agcactttca ataggatttt tgcactctgt
 142081 caaatgcaa acctccctct ctaggcctgt tgtgcattat catagctgat atgtgtacat
 142141 cctacatgcc aattgtttct catgagttat ctcatataag ccttacaaca aagcaaaaca
 142201 gaaaatcatt ttaataaacc caattataaa tcaggacact actgcccaga gcggttaaga
 142261 agcatgcccc gcttcaccca gctaataaag agattcaagc caggatttgg acctagtacc
 142321 ctgaccatgg agctcgcaact cttatgccac aggactttat gtacctctcc ctggaggctt
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 142441 gtaggtcgct aaacagccgt gagagcctcc attgagccac acaccccgag ttttctgcat
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 142561 agccctccca agtcaccagg gtgctgggag ccgccactag atctcagccc tcttccagt
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 142681 ctccttctta tctgggtgcaa ggagcccagg ggatgccttt aaggaaggct agccctgtcg
 142741 gtgagacatg ttgtgcaaaa ggcaggttga ctggagaaaa gtcatacacg tttatttcac
 142801 atttatacac aggatccttc agaataaaaa cccaaagata acgcggaaat tggccatact
 142861 gatgcttaag attaacgaag tatgaacagc tatgtacaaa tgcgactgga caaaaaaagg
 142921 gtatgatcta atgtctgatg actgagctgg gagattcagt gaggcctgtg tagattcttg
 142981 gcctctctgc acagcatccc tttcttctgt gtgtggggca ggacctctc gggaatgggg
 143041 gaattatgac ctacagtcaa acaaggtaag tcggatcatt tctttatggc cagtttttac
 143101 acagaaaggc agagggaaaa taagagtaat attttttagga tttatggctg gctttgggga
 143161 aaagaggttc tggtttctat ggggaagagg gattctagtt tctaaggcta gactagggga
 143221 gaacgcgctt gagagaaagg agggcaggta tgcagagaaa aacttttaac ttctgaggct
 143281 ttcatttttag agtactcttt tctgagtcac aacagtggga agccagagga agcagaactg
 143341 tacttgtgag agccccaga cagctggctc tccccacg cagcagcagt caggccccag
 143401 agctcctctt gcacgacagc acaagggcaa agcctgtctg ggctgggtga agcttccgtg
 143461 ggtctggctg tattgggggg aagacctgtc tgggagcctc tcaactatt tatctgttct
 143521 gccttccctc ccttgcctcc tgtcctttga acgctaacct ggacacagaa gctctcagca
 143581 tttaggagga ctttaattgca gctccattta atgtaagatc tcttgaagtg ggtcccaatc
 143641 ttaggcacaa agttcagggt tacagaaaac aaaccatttc tctttgtctt tttttttttt

FIGURE 3 (continued)

143701	tgagatggag	tcttgcctcg	tcacccaggc	tggagtgcag	tggcgcaate	tccacctccc
143761	gggttcaagc	aattcttctg	cctcagcctc	ccgtgtagct	gggattacag	gtgtgcacca
143821	ctacgcctgg	ataatttttg	tatttttagt	ggagacaagg	tttcaccatg	ttgccaggct
143881	tgtctccaac	tectgacctc	aggtgatcca	cccgcctcag	cctcccaaag	tgttgggatt
143941	acaggtgtga	gccaccacac	ccagccaaca	aacaattttt	ctgtcacaga	gtttaattct
144001	atttgattcc	tatcctgcca	atgtggcaga	aacataatct	ctgttgattt	aaaattttacc
144061	cacatcctga	acctgggata	ttgtcaaagt	cccactgagc	tctgggagat	ggggtcttta
144121	ttgtcttttg	tcacacagggt	gtctagaaga	tgccacctat	tgtcacttac	tttgtgtctt
144181	acacaactgc	agaccactat	tcaaaggcta	tatagttttg	tctcactgct	gtaacaaatt
144241	atcacaataa	taatggctta	acacaacaca	aacttatttc	tcacagtttc	tgtagaagtg
144301	caacatgggt	cttaccagggt	gggtggctgtg	ctgggcttat	agctggagac	tctgggaaag
144361	aatcctcttc	caagctcggt	cagggtgctg	gccagttca	gttctttgtg	ggtaaacttg
144421	ctaggtggca	gctaggggtca	ccctcagctc	cttaggttcc	ttctttgggtc	cttgacatc
144481	atccaggagg	catcagatct	ttctcacgct	tgggaagatca	tggactcggc	ctctcgccgc
144541	atctgactct	tccgccttcc	ttttctgctt	gattacatcg	ggcccacctg	gatgtgctgg
144601	gtcgcctccc	tattttaagg	tcagcttatt	agtaacctta	attccacctg	caaagcccct
144661	tcccagcaga	acctaaattt	gtgttttgatt	gaccaaacag	ggagaaggga	gagtatcttt
144721	agagttttgc	ctacagcaaa	ggccactgtg	tgagcacatc	cctgaagggtg	tgcaggggcag
144781	ctgccatcac	tcacctctca	gcccattcac	tagacagatg	ccctgtcaag	gtcatgggtcc
144841	ttttaaggct	gaaggtttgc	tgcccctact	gcggctgtct	tgggaaagaa	ctgggtctgt
144901	tctgaacctat	gctgggtag	aacctctaga	aggcaagggtc	ccgtctacct	caacacacac
144961	acaagccatt	tctctctctg	gggtctccag	ggctctttct	aggttgcagg	aaacaggacg
145021	atctgcccc	tgtttccgac	ctgtaccccc	acctctgcac	tgtcattgct	ttccttcttc
145081	cccacaccac	caaggaaatc	accttctcat	caaacctccc	atatgccaaa	tattttggct
145141	agatctggag	tctgtacac	tctggagtgg	ctttgggctt	tttgaatccc	aggtccagtc
145201	ctgctttcct	gtctgtcaca	ttccacagct	gaggcaatga	gccaggaagt	cacctgcttg
145261	gaagttggag	ggggacaggg	agttggagaa	tggcaaagtg	gggttaatac	tgcaaacctg
145321	ttttcctgcc	actctcctga	catgctctgt	tctttaaaat	gcccttggca	cctgggtccat
145381	cacaggccgc	atccttagca	actaagttgg	aagaaatggg	gctctttggc	cagcaatgtc
145441	ttcccgccat	gggtatatac	tgcagggtgc	gggtgaggag	gactgcgggc	agctctgaag
145501	cctccacttt	tcttatggg	ttttttgttc	actctccagg	gcctaattca	gatgtcacct
145561	cccctgtgcg	gcttctccaa	cccttcagat	agatgtgatc	actccctccc	ctgagcccca
145621	gaacactttg	tccaatttcc	tgcacctct	gagagcgtgg	cacaggcccc	ctccactgtg
145681	taacaactca	cagccccctc	ctgcatcaga	agcccccccc	cttctctcgg	gggtgctctt
145741	ctttctagtc	atagtgtctt	ccctcagtag	tctatccctc	tggggactct	gaatatcttc
145801	ccttccccct	cagcaatccc	tagcacactt	gcagctgtga	gggtgcacc	tgaggacaga
145861	gcagggggcg	gaaccccagt	cttagaggct	gttgtcatca	aagttcaaat	ggaagatcct
145921	ctgagaagga	tctgcaggga	gaccaattgc	caccctagg	gaaggccggg	cttctgtggt
145981	atctcaagcc	ctgggacct	gaggcagctt	cccgtaggga	gcagccagaa	ggccctttcc
146041	ctacccccct	accacccaga	gaggcctccc	tgggatgccc	tccctgaac	cctagagctt
146101	catgggggatt	gctatgtttg	cactgtgatg	tcatttcaag	gtcatggtga	tatgcgctac
146161	agctgagcaa	gattgttccc	agcatcagat	tggaaagtga	aagaaaggct	aagtcacaag
146221	aacccaagag	ctgggtgaat	gcacagctgt	gccctaggcc	caccagcaag	gaccacattt
146281	attaggctca	gcctcccaca	caaacggtgc	cagaaagtct	aagagaagaa	ggggaacaga
146341	ggaagggagg	gaaagtcctt	taaatcaaca	tggtttcatt	gagcttctgc	accatgcagg
146401	ggcctgtggg	attgagaagg	agaatataat	cctagtcctt	gctctcagga	agcttatcat
146461	ctgtgtagag	ccaagagtg	agcagctggg	tgaacaagaa	gtggtgcaag	ggggaagagt
146521	taccacagat	ggtataacag	tttgctcagg	ctgcctgaaa	caacagaaag	ttactgtctt
146581	tacagtctctg	gagaactggc	ctaggaaatc	aagatggcgg	cagagctggt	ttcttctgag
146641	ggttgtgagg	ggtctgctcc	aggectccct	cggttgtgtg	atgtccatct	tctccctgtg
146701	tctctttaca	tcattctccc	tctatgcagt	tctgtctttt	cgccccacata	tccccctttt
146761	aaggacacca	gtcatatcgg	atgagggccc	atcctaataga	cctcatttta	acttttttac

143701 143761 143821 143881 143941 144001 144061 144121 144181 144241 144301 144361 144421 144481 144541 144601 144661 144721 144781 144841 144901 144961 145021 145081 145141 145201 145261 145321 145381 145441 145501 145561 145621 145681 145741 145801 145861 145921 145981 146041 146101 146161 146221 146281 146341 146401 146461 146521 146581 146641 146701 146761

FIGURE 3 (continued)

146821 ctctataatg accctgtttt caaatataat cacactctga catactaggg gttagggtt
 146881 gacatgggtt ggctgtgtcc tcacccaaat ttcactctga gttgtagctc ctgtaattcc
 146941 cacatgtcat gggaggaacc cagtgggagg ttgttgaatc aggggtgggtg agtcccttcc
 147001 gtgctgttct cgtgatagtg aataaatctc atgagatccg atgggttttat aaatgggagt
 147061 tccctgcac acattttctg tcttgccctg tgccatgtaa gacgttccct tcaccttcca
 147121 ccaagattgt gaggcctccc cagccacgtg gaactgtgag tccattaaac ctctttttct
 147181 ttataagtaa cctagtctgg ggtatgtctt tatcagcagt gtgaaaatga actaatcacg
 147241 ggctccaaca tacctttttt agagggacac aattcaaccc acaacagtgg ctttggggag
 147301 aaaggaagac ttgaaagagg agaatttcc cttcatctta tctatctatc tatttatcta
 147361 tctatctatc tatttatcta tttttgagat ggagtcttac tcttgctgcc agactggagt
 147421 gcatgggtgc catctcgact tactgcaacc tccacctcct gggttcaagt gattctccta
 147481 cctcagcctc ccaagtagct gggattacag gcacccacca ccaggccggc taatttttgt
 147541 attttttagta gagacagggt ttaccatgt tggccaggct ggccttgaa cctgacctc
 147601 aggtgatccg cccacctctg cctcccaaag tgctgggatt acaggtatga gccaccacac
 147661 ccggccagaa tttcctcatc taaaagggca ggttcccagg cagaggtaaa cactgggagg
 147721 ttttatactt tgtgattact gaataattcc tcaaggatgt ttttctagat ttgaggaaca
 147781 tcttcaggga cagaagatgc cacattgggc agggcttctt catgcaggcc ccaaccacag
 147841 gggcaacaga atcctgttcc ctgggagact gtgccagacc atgagcatca gctgaagcca
 147901 caacctcaaa cattcctacc aaaagggaag ctagtctgtg ggatccacat gagggcaaag
 147961 tggagatgaa ttcagagggc aagaagcagc cagtagggca agagggagag aggacctttc
 148021 ttcctgacct accccacaca tacaatggac taaatatttg tgtccctta aaattcatga
 148081 gttgaaatcc taaaccccaa agtgatggca taaggagggtg ggaattttga agggtaattc
 148141 agtcatgagg gcagagccgt catgattagg atttagtgac cacagagagc tagctcacc
 148201 actctaccat gataggacac agcaagaagg ttccatctat gaaccagaaa ctgggcctgg
 148261 ccagacactg aatcttccctg caccttgatc ttggacttcc cagactccag aactgtgaga
 148321 aataaatttc tgttgtttct aagacaccag tgtatggtat ttttgtttta gcagccaga
 148381 cagactaaga caacacacaa acaggaaaaa tcagatacct cctgctgcct agctagatgg
 148441 cttaagagtc caggacatag acagaggtag gggcaagaag gctgctgggc ctgggcttta
 148501 cgttcaagaa aggaatttta gacttttgat gttattttcca actgatgttt gttatgggcc
 148561 aagttgtgtc cctccaaaat tcatagtgtg aagtcctaac cccagcaac tcagaatctg
 148621 actgaatttg gaggataggg ttaagacgtc agtcagttaa aaagagggtg tgagggtagg
 148681 tcttaatcca ataagggtgt ctctataaga agaggaaaat tggcacagac acacacagag
 148741 agaagaccac atgaacacac aaggagaaga tggcatctgc aagccaagga gacaggcctc
 148801 agaaaccaac cctgccaaca ccttgatccc tgacttccag cctccaggac tgcaagacaa
 148861 taaatgtctg tttaagccac tggctcctgca gtagtgtgtt atggcagccc tagcaacta
 148921 gtataaagtt ctatccatat gcccctggga tgtgtttcta agcattcatt tttaaaatgt
 148981 aacatttctt aaaaatatac tgtaacattt taacttgttt tggcatttct gctttttttt
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 149461 agaagaagaa gaaaagaaaa gaaagtagcc caagtctctt gtacctccca gatgccccag
 149521 tgaagggcct cagctgtgat gagaaaaccc agcagcccaa ttcctggcaa ctctcctggg
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 149641 ccattggagt gaggagagg ctctgagctt tcccagtagg ctggcaacct cccaggctcc
 149701 ctccccagc cctataaaa ccatctggaa aatgaaaata atacctctg ctctctacca
 149761 agtccaggg accctgtgag gaacaggag atactatccc catacccac acattcctgg
 149821 aggaggttgc cctggaataa gctattgccc cgctcttcc accccaagtg gcagaaacga
 149881 gggccactca gtgctctgtc cagctgctct tgcttccct caggagccac ttctgcttcc

FIGURE 3 (continued)

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149941 atcccacctg attggagtgg gcttcccaca ggcccccgct ccgcagctcc tcagtgtctc
150001 cctcctcctc cctgtcccc cgagcccagc ccagtctgag gtccatcccc ctgtgagggg
150061 agctgagcag tgctgcaaac tcagtgtctc tgagtaccct ggggatttgc tgaactgcac
150121 attctcattc tgtaaaccgg agctgagcct ctgcacgtct aacctgtctc ctggcaatgc
150181 tgctgttact gagcagagtg gaaaagtgtc agacaatata ttggggggaa atttcagtct
150241 caaatgcatt ggagcagaaa ccagaactcc ctgtcaagct gctctgtggg tttttgaagc
150301 gaagtgtgtt gctcttcact ggctgtctct agctgtctag agcggggggac agaagctggg
150361 tctacccgag catctgtcca gccacatccc ctactcttc aggggtggcag tgggcacaca
150421 gccccagagt caaggtggca tttagctggg ccttcagtcg ggcaccagca agtgtctctt
150481 aacttggggg ccttggagtc cataggtggg cacagctcaa tttggggatg tacctgagaa
150541 aaatgcttcc cagatgggct tctctgcccc atccctctct ccaccggggc tggccagacc
150601 ccagggtgaa ttgttctaatt tccttgact ttttctggc aggggtctca ggctcatgaa
150661 atctgcctct tgccaaaggc agaggatcca ctggcagcag ggagcactgg ctgcagtcag
150721 gcagggtgcaa tcatttttta atgacatctt tccccctta tcaaaattgt gcaattcact
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151561 gtcaatcagg ttaatacaag ttaggggtatc acaagtgtgt ctatttagaa aaggaagact
151621 taagaaactc cattttgatc tgtaccctga acaatggttt tgccttgaga tgctgttaat
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151981 tgaagggtct gtgctgagga gaattagtaa aagaggaagg cctctgtctc ataccgaacg
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152641 aaataaataa aaattgtttt aattagctgg gcatgggtgt gcacacctgt agtcacaggt
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152881 tgcttgccct atttggggcc attgaagtgt ttttaattctt tttccaatat aaataatttt
152941 attctggcca tgtttttatt gaaatctcta accctataat ctcttttttt ccttagaata
153001 ggtttccagg attgggatat tggaaacaaa ggttaaatat tcttaaagtt cctgatagat

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FIGURE 3 (continued)

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153061 gttgttgaat tgtttccaga aagcttcaac aaattcatcc cctctagcca tagtgccctgt
153121 ttcaagaaat gatcagcatt gtccattatc ttcttttatt ttttcccaat ttggtaggta
153181 aaactagtat cttttctagt ctgcattctg cttgactctc gtgtggctga acattttttt
153241 ctgagtggca tagccattca tgtttcttct gtgacgggtc tggacacatc ctcagtgtctc
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153361 atgctgctga taaagacata ccagagactg ggaagaaaaa gaggtttaat tggacttaca
153421 gttccacatg gctggggagg cctcagaatc atggcaggag gtgaaaggca cttcttacat
153481 ggcagcagca agagaaaaag agggagaagc aaaagcagaa aaccctgata aaccatcag
153541 ctctcatgag acttattcac tatcacaaga atagcacgag aaagaccggc ccccatgatt
153601 caattacctc accctggccc cctcccacaa catgtgggaa ttctgggaga tacaattcaa
153661 gttgagattt ggggtggggac acagccaaac tatatcatgc atcaccacct gatggcacc
153721 acccataacc tctgccatgc tgtgtgcccc cccaccatg cctgtgggag aggtcccca
153781 ggcctggtgc ctttgcctgc agactctggg tacttccatt cacactccca tctctgggtg
153841 tcctcaagat aaccgatgt tcccaggatc cttccctcaa ttaacaatga cctgccttag
153901 cccattttct tcagcaccgt ctccatgcta agttacaagg agtgggcccc aacaaacaac
153961 tgaaagctaa acgtcttcac ctaaccaaaa tgttgccgt ctgtattagt ctgttttcat
154021 actgctataa agactacctg agactgggta atttataaag aaaggaggtt taattgactc
154081 acagtctctg atggctgggg aggcctcagg aaacttaca tcatggcaga aggtgaagg
154141 gaagcaaggc acatcttaca aggcagcaga agagaaagag catgtagaag aaactgccac
154201 tcttaaatca tcagatcacg gctgggtgca gtggctcaca cctataatcc cagcactttg
154261 ggaggttgag gcaggcagat cacttgaggt caggagtctg agaccagcct ggccaacatg
154321 gtaaaacccc atcaccacta aaaatacaaa aattagctca ccatggtggc acatgcctgt
154381 aaccccagct acttgggagg ctgaggcaag agaatcgctt gacatctggg aggtggaggt
154441 tgcagtgagc caagatcatg ccactgtact ccagcctggg caacagagtg ggactccatc
154501 tcaaaaaaaaa aaaaaaaaaa ggtcagatct tgtgagaact cctcaccat cacaagaaca
154561 gcattgggga aaccgccttc atgatccaat cactcccacc aggtccctcc cacaacatgg
154621 ggggattaca atttgagatg agatttgggt ggggacacag ggccaaacca tatcaccacc
154681 cacaaaagct ttttgacaaa taactctgac taggaattgt aagaaatgtt tttaaatgag
154741 taaggtggaa gcaaacatta ttccatttt atagacaaga aatgtgtgtc tctggatctg
154801 tgacactcca taaaccaggg aaaaggcaga gacaatgact gattttctgc cgcccaatcc
154861 agttgcccac cctcctggc tcaatgccag gacttccctg tctttgatta gggaaagtgg
154921 agccaccac tccctacatg caactgttac acaccagtg tcccagaaat gacattcaac
154981 ttactatag cgactgcttt tactgacatc atttttagca gacgttttac tataaaaatg
155041 ggtggggaga aataaagcag ataaactgct gccaggacc atcactgcta ggtgaaact
155101 gggggcacac ggtatagctc aaatgcacc caggtccagc ccaagccttg ctcaaaaccc
155161 acccaggaac cagacctatc atccaagggt gtctctccaa tgaccttagc aggttcagaa
155221 taaccctcta atattcctca tttactgtag ttgcttatta tgaaccacc aactattaat
155281 tcaatctttt ttgaattctc agttttcagt atatttctct tcaggtgtg gtacatatca
155341 caacatatag taattatttg ctattttctg cttccctgtc tagactttga gtaagttgag
155401 ggtagaattt gttctatttc ataactctag aatttgacaa atagcaggta ttcttaacca
155461 taattttgtt gaaggaagga atcaatgaat aaaaatttcc tgagtttact gtttactgca
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155581 tttggtaaat ataatttcaa tcccagttgc atctctgagt ccaggcaaga gtactacaaa
155641 aagtataaat agaggtcaag tgcagttgac ctctgcaagc aagaccactt agaactcttc
155701 aatggctctt tgacaaacct tcagtgggat ttctgtcaaa gctgacaatg gataaaatta
155761 tagaaaggag ggaaagcctt gataaggagt ccttaatgag ttctgacta agttaattca
155821 acattgaaag ggatagaaga tgttaattcc acacacacgt gaaagaaatc aacaatcagg
155881 cctcatctga gagaacctg atggggaagg ctggggctga tggatgaggg gtgtgaggca
155941 gggcagaaag cctccacgtt gctgcagcaa tgcaaaaata ggcaccttgc cgtaggcctc
156001 tctggcactc catcttgtct ctcttccctg gagaaaaggc aagctgtatt caatcatctt
156061 ttcaatgcta aaaccaggct ttctgtcgg agttggggcc agagatgttt ccatccctc
156121 ttgcaaaaag ggtattctta agaggcctta agtcttcagc attgatagtt tctgggaaca

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FIGURE 3 (continued)

156181 aaatagaaat caaaatctca ccttgtgttc ccttctctt cctggacaga gaatgggaca
 156241 ggcccaggcc atccagatca ctatgaacct tatcagaaac ttcagtcctat tttctccgtt
 156301 ccttccctg ggacttgcat gtataatct ccataccctt ccttccccac tctccaggtt
 156361 tagtgggtga ggcagagagt gagagccagg cttacctgcc ttttctctc agtgggaaga
 156421 agctcagtaa ctgagctcag acgctagtgg catacctacc aagaggatga cataaatgcc
 156481 tcctgtggcc ctgagatagg cagagctctg ctggcagccc aaccatatgt tcaactgttc
 156541 attaacaaac atccacagag gcaggctgct ctggcctgga gggggatgtc ctacactaga
 156601 cgactcaggt tcatagagcc aggcctcatt ccacccccac tggctcaagt gactttcttg
 156661 tgaccagaaa ctggagagct cttttttttt ttttttagacg gggctctgct ctctcgccca
 156721 ggetggagta tactgacaca atctcggctc actgcaacct ctgactccca ggttcaactg
 156781 attctcctgc ctacgctcc caagtagctg ggattacagg cgagtgcac caggccctac
 156841 taattttttg tgttttttag tagagacggg gtttccgcat gttggccagg ctggctcaa
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 156961 gagccaccat gcctggccca gagctcttaa ctacaatgac tatatgcaga agaacaaact
 157021 aacacggaag atggctagga actgcgtaag ccaagactct gcagtaagac acacttgagt
 157081 tctggctctc actctgccgt ttactcacag tccaactgca gatgggacct cacctctctg
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 157201 gcgaggctta actgagggtga tctaggcaaa gcacttagct tggtagctag cacatattaa
 157261 gtgctcaata ataggtgatg gtgatgatgt aagttggaca caagagaaaa ggacacatac
 157321 taactgataa tcacacagag ccactgactg gatttggtat ctttctctga cattcagctt
 157381 ttcttaccat ctgtcagcat gccacactcc ttcagccttg aattatatgc tgccttgtgg
 157441 ttttgcctct ataaaaacaa tagaatgtac tagtcttctt gtggctactg aaaaaaaaaa
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 157561 gaccagaagt ctgaaagtac tatgttgtca gggctgtgct cctccaaag gatctagggg
 157621 gtgatctatt acttacttct tccagcttg ggtggctgtc agcatgcctt ggcttgtagc
 157681 tgcaccactc caatttctac ctagtctct tatcatctca tctgtgtctg ttttctctc
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 157801 agcatgttgg gaggccgagg tgggcagatc acttgaggtc aggggttga gaccagcctg
 157861 gtcaacatgg tgaaacccca tctctactaa aaatacaaaa attagccagg cgtggtggcg
 157921 ggctcctgta attgcagcta ctcaggaggt ggaggcaaga gaattgcttg aaactgggag
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 158161 atgtagacgt ctttttggga accatctatc ttagactgtt caggcaacta taacaaaaata
 158221 ccagatgctg ggtagcttac aaacaacaaa catttatttc tcacagttct ggaggcttgg
 158281 aagtccaaga tcaaggcact ggaagctgta gtgtctgggt aggtctttta actatgtcct
 158341 cattgcggaa ggggccaggg atctctcttc cttttataag gcttctagtc tctttttttt
 158401 ctttctttct tttgagacag ggtctcactc tgccccccag gatggagtac agtggcacia
 158461 ttttggctag ctgaaacctc tgctccccag gctcaagtga tccctccacc tcagcctcct
 158521 gagtagctgg gactacaggc gcatgccacc atgtccagct aatttttttt tttttttttt
 158581 tttgtagaga tggggttttg ccattgtgac aaggctgcca ggtggtctc gcaactcctg
 158641 cctcaagcaa tccaccacc tcggcctccc aaagtgttg cattataggt atgagccact
 158701 gcaccagct tcattcatga aggttctatc ttcatgaact aatcatctcc caaataccat
 158761 cacctgggg gctgggattt cagcatataa attttggga gatataaata ttcagtccat
 158821 tacaccaaca tttggtccac tacttggagt acctaaagac atggacttta gaagtagact
 158881 gacctggatt ccaataccag cccaccatc actcactagt tggatgacct tgattcagtt
 158941 atttaatatc tttgaacctc agcttctgga aaagggccaa taatgccaat aatgctatgt
 159001 cccgggggtt tttgaaagaa ttaaataagc taatatgtta aaagtactgg ataattggta
 159061 gctctcatta ctagtggtag gtttaccaca ctagtctaca agctcttaag agctggaggt
 159121 atctctgctt ccttcacaag tctagcacia gtctgcaaac agtctatcct tagtgaagg
 159181 ggggtgacaa actggctgaa ccagtggcct agacagccaa tataccaat tatgtaagat
 159241 tccacaggga tctaaaggag cgaattagag gcaccaata gtgaccccaa tctaagcagt

FIGURE 3 (continued)

159301 gcagggatca gctgggtggg tttgtcagca gagaacaggg ccaccagggc aggcacatag
 159361 aactaactgc actcactgca ctgttggttaa ctattctttg aatccctcca catgacgcca
 159421 ttcctacaga tggaaagtca gctacactgg agaagttcca gaaattcata aatagattat
 159481 gatcccaaat ccagagaggg aggacttttc cagatggcaa ctgggaattt acctaatga
 159541 tttcccatc ccagaaggga aagctgttct ggtatattac aaacattaca gcacatctga
 159601 ataaccaga gagcttgttt aaatgcacat ttttgggctt ctaccaggct ggttaaaca
 159661 agcttcaaca gagtggggat aggaaccaac catttttaaat aacccctttt ggtaattctg
 159721 gttcaaccat agcaatcaaa ttatagtcca acctaggtag gggcttgcta cctaggagtc
 159781 aatatgtaat actggaaaga gtaagagttt ggaaactaaa cagaaatagg gtccaatcct
 159841 gggtcgtcca cataatagct gtgggacctt gggcaagtta cttcattttt ttggatctca
 159901 acttctctct ctataaaggg ggggctatac ctgtcagggt agtgggtgta attcaatgat
 159961 aattatgtaa agtgctgct catagtagat tgaagcagag actgctacta ttcaccaatc
 160021 ctttctctct tcttgttcat acacaactag actatatttc ccagcaccct ttgcagccag
 160081 gcacggccac actagtcttc accaagggga tatggttcta agttatagta cctattcttg
 160141 gcaaaggctt aaggaacaga tatgctctct ccagggtttt ttttgtctta catcacttgg
 160201 atgcaggtga caggttctag ggaactgggg atctacaaca tgggaaggagc ctgtatgctt
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 160321 aaacgagaaa taagctcata taccatatta ggttataata tagttgctt aaagaaatac
 160381 ccatggccag gctggggggc ttacacctcc cagcactttg ggaggctgag gcaggaggat
 160441 cacttgaggc caggagtttg agaccagcct ggccaacatg gtgaaacccc atctctactg
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 160681 gcattgctat aaagaaatac ctgagacttt aattttataaa gaaaggagtt ttggaggctt
 160741 tttctttttt ttgagacaga atttcgctct tgttgtccag gctggagtgc aatggcgcca
 160801 tcttgactca ctgcaacctc cgctcccgag gttccagtga ttctctgctc tcagcctcct
 160861 gagtagctgg gactataggc atgtgccacc acacctggct aattttatat ttttagtaga
 160921 gatgggggtt ctccatgttg gtcaggctgg tcccgaactc ccaacctcag gtgatccgcc
 160981 cactttggcc tcccaaagta ctgggattac aggcattgagc caacgcaccc agccaagaaa
 161041 ggagtgtgtt tgtttgtctg tttttccaag aaaggagttt taactggctc atgattctac
 161101 aggctgcaca agcaagggtg tggcatctgc tcagtttctg ggggtggccta agggagcttt
 161161 tacttaaagc cagagcaagc atctcacatg gcagagtga atcaagagtg agagtgtgtg
 161221 tgggtgtgag gaatctcagg atgacctccc tgagattgct gtcccctagt tattcacaaa
 161281 aactcactga ctatcacaag gtcagcatca aggcgtgagg catccacccc catgacccaa
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 161401 tctaaactat atcatacact tttgggatct attttacaac taacctatag tcagtgtgtt
 161461 aatccatttt gcattgctat taagaaatac ctgagactgg gtaatttatt ttaaaaagag
 161521 gtttattttt ccttatgggt ctgcaggctg tacaaccatg gcaccagcat ctgcttctgg
 161581 tgaggactca agaaactacc aatcatggca gaagcagggt tgtcacatgg cgacagagag
 161641 agaaagagag ggggaggaga tgccaggctc ttttaaaaaa ctagctctca tgtgaactta
 161701 atagagttag aacccactca ttacctcggg gagggcacia aaccattcat gagggatctg
 161761 ccccaacgac ccagacacct cccaccagggt cccatcttca accctgggaa tcacatttca
 161821 acctgagatt tggaggggac acacatccaa accatatacag tcaggaaatg ttcacccctt
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 162001 gacctctgta ttagtcaggc ttctctagag ggacagaact aatagtatat atatatatat
 162061 aatatgagtt tattaaatat tagctcacac gatcacaacg tcccacaata ggccatctgc
 162121 aggccgatct gatgtccaat gtttgagggc aggaagcatc cagcacggga gaaagatgta
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 162241 tgctggcagc tgattagact gtgcccaccc agattaagag tgggtctgcc tttcccagcc
 162301 cactgactca aatgttaatc ctttttgga ataccctcac agacacaccc aagatcaatc
 162361 ctttcaatcc aatcaagttg acactcagta ttaaccatca taacctcctt gagaaacaca

FIGURE 3 (continued)

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162421 aatctaggta ctctgtgaa gggattctgc aaatgtaatt aaagtttcaa gtcagtcaac
162481 cttaaaatac agagatgatac tgggtgatcc tgatctaatac acaagagccc ttacacaac
162541 agaaggggaa ttcggagaga tttgaagtat gaggaagact caagtgccat tgctgcttga
162601 agatggcagc accacgtgag aaggaatacc tcaagggaact gaaagtggcc cttgcctaac
162661 agtcagcaag gaaagaggaa cctcagacct acagctgtaa ggaactggat tcagccaata
162721 attggaatga, acttggaagc agatttttct cagtgcctcc aggtaaaagc tctgcaacca
162781 ataccttgat ttccagccct gtgctattcc tgagcataga aatcaggcaa gcctgcctgg
162841 acttctgact acagaactgt cactaataa atttatgttg ttaaatttgt ggtgatttgt
162901 cacagcagca ataaaaaac taatacattc tcttaatctg tttgtctac aatttttctt
162961 tgagacggag tctcactctc tttcccagcc tggagtgcag tgggtgtgac atagcccatt
163021 gtaacctcaa aatcgtgggc tcaagcagtt ctcccacctc aatctctcga gtagctagga
163081 ctacaggcac atgccaccat acttggtctga tttttttaa aaaattattt tttatgtaga
163141 gatggggtct cactatgttg cccaggctgg tctcaaactc ctggcttgaa gagatccttc
163201 tatctcagct gggaggatcc caggatccca aagcgtctgg attacaggcg tgagcctcca
163261 tgcctagctt cctcacttat tttttattaa taaaaagtga catggggaga tgggtggaagt
163321 tagagtgatg atatctgagt atgctcttag ctttacattt gctcagttcc ttgtgctgag
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163501 ttaaaagcgg agctgctgtc aaggaaaaca aagttaagca aaatgacttc aaagcccaat
163561 gtgctcacct tcaactctcc agtgggtcct tgcacctgag aacgtgcagg gtccatcagt
163621 attgacctcc cttttccacc agccctggaa gttatggaag gggaaggtag cttattctga
163681 tatcgtgtcc tgtaataatg cttcctggcc tggcacatat atccttgttt ctgtgctctt
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163801 aaccaggtaa atttcagaag attttaaaaa gtttcccagt gaaggaagga gagagaggta
163861 ttgtcctgag atactgaata tgcggatggc cagactagat atcaaaatag aaccctgacc
163921 cacaatctgt ggcaactagc ctgggaagcc aacatattat ctgcagtaac caatccagga
163981 agcaaagcaa taacccctt agcaatggac cccaaatggc caggactcga ttaataaact
164041 gacagctccc ataatttttg cccctacctc caactttgga ctaaccagag aaagcccaat
164101 gggcaccccc aaccaatcac atagcatgcc gcacttctag ctggcccact tgcagcttcc
164161 ccgtgccaac agtctcaggg cagcccaaaa gtgttccctt ttttctacca caaggctttt
164221 ccacacctct gcctgccttt aagtgtctgc caaacacaag tgatgggtggc tgactacctt
164281 gcaacctctc tatagtaggc tttgtttgtt cttatttggg tgggtctcat ttattccac
164341 agtcttgtt tttcaggag atttagggtc taaatacaag gaaatttcat gtaaggatgc
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164581 cacctgcaga gaggcaactc tctgtacgtc ctgattccaa gttcctggag aaggacacag
164641 actgaaccac cttgggtcag gcaccatcct tgaccaattt actaacagtg cccaactccc
164701 acccaggggtg gggagtagtt gcaggtagtc ttgtttatga acatggcaat cagaagccca
164761 tccctgtcac tgtgtggagg ggaggggaga gaagagggat ggttccaacc aaaaaaggta
164821 gggggatgga catcccaata ggggtccact ccattcctga tggcacagtg agacagttgt
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165421 tgaaagccgt aagtatatga agaaggcaat gggctttcta cacaggaatg acctgaaga
165481 cttgatttgc attattgaaa gctcaccatg gctggaatgg attggggacg tccgatgatg

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FIGURE 3 (continued)

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165541 ggàagactca gctgggcagt tgctgcatta actgtggagt tataatggtg acctacgaga
165601 gcagcttttg atacggagaa gagcaaactg gtttaagaaa cgtcatcacc tgggtcaaga
165661 aaaggacatg cagtgggttg ggtagggagg aaaatagatg taaataaagt tattagttga
165721 aaaagaaaag caagatcgag agagaaatta attctattgc catctattca tgagaatcac
165781 aaggctgaat caaaagcctt cctgcaaacc tagactcacg ctggttcagt tcagagactc
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166021 ccaccaagta gaattgggac agaaacaatt aagtaggcac agatccaatt tggattataa
166081 aaagctggtt catcaggaag gccactataa aaccagaagc aaacgaagag tcaattaagt
166141 acaaaagttt ttactatgac tatgcagtga ggtccaaact gtactaaatt tgaagttccc
166201 tgccaaagag aaatgtaagc ttccctgggt gtataagtca gaatttcatt acatcagcca
166261 gataaccaca aaagaatata tcttttagtg cttagtgctt ctaagccttt ctccacccaa
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166561 aattttaatt tggttacaaa aaaatttttc atcaaaattt ttgcttattt gtttatataa
166621 aaatggagac aggggtctcac tatgttgccc aggctggcct caaactccta agctcaagtg
166681 atcttcccac cttgacctcc caaagtgata ggattacagg catgcgatac caagcctggg
166741 ataattttaa tttttaatta aaaattgtta atttgtctac aaaataaata tatactcatc
166801 atcaaaaact ttcaaagaag aagattaaaa tcaccataat tccaacaccc agacacaatc
166861 acaatcactt ctgtaagtta ggatatactg acagcctatg tgacagggaa aaaactaagt
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167521 agacttttaa cttgtgttaa tttataaatc agttttgtta atattttatt atctactttt
167581 atttggtttt gatgaatgcc caactggctt gtaaatttga taaggctact ccaaataatt
167641 atcaaaactt cagaattaag ttttagacat ttcaaactac aatctaattt taattgattt
167701 ctcaaggaaa aaaacaacaa agcagactca catttctata ggcaaaatct taataaacac
167761 tgaaaacata ctgaacttaa aaagttaa cttacaaatt taataaatta taaatttaaa
167821 gatttaacaa tttaaacatt tgaacattat ttcaaactta gttatcaaca tcttataaat
167881 ttttactaat attttgagtc taatgaatca gtctctttac ttaccttaaa aagcagaaaa
167941 atatacacia aatactataa tggttacaaa acttattttc agataaaaatt tatgactaga
168001 cataacttag cttgtcttcc aagggtcttt gaaagtatgt ttgttttctg gcaataagaa
168061 gatatttcca gactcatctt gatatttctt gccgtaaaac atgcaatgaa tttttctcca
168121 gggagcccag tgccctcagg gtcttctggc tggaatgcag attagatgga ttggcaaagc
168181 agctgctggg gccacaaggg gaaaccagaa atccacagta atctttgacc tgacgtcctt
168241 gagctgctga accaacatcc caggttttta agtccctgtg gtccatttgt caaatgcaat
168301 tccttactga tataatggtt atacaaataa agaagcccag agaaagcact gcatatggaa
168361 aggaaagatt gacctaaagg ggaagatctt gtggggaggg gaggcagtga agaaaagagg
168421 aggcaggaaa gggaaactgg gagagagggg agatctggca gtttctgtga aagcaaatta
168481 gtaaggattt taagaaaagt ttgcctttat tccattgcca taatggggat tagaacagta
168541 acatccatag gatcattgtg agaattatgc caagcacaca ttaagtgttc aataaacatt
168601 ggctatcatt attattttat tatgtctggg ctccagaatg gattagagtt gcagactgga

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FIGURE 3 (continued)

168661 acattataag gaaatccagg aagtccattc attcttactc tttccctccc tctcctctct
168721 tccacaattg ctctcttgca cagctgtttt aatcctatat ctttctgcag attggtcttc
168781 tttctatgtc tgtgatgctt aaaacagtca ctaacaacat ctttcaagtt tccaaactcc
168841 ttggttcaag acagcagcca tttcgaagaa atttccagaa agacactgat tgtccagctt
168901 agatggaaaag tccactcttg gatcaattaa ctgaagctat gacaggagag ttgtatggaa
168961 aacacatggc tgctcctact agaaaacttc ccaaaatatg aaggagggaa aagcagggag
169021 gaggtgccgc tgtgaagacg taatggtagg taaacatttg ggtacatttc ctttgggtcc
169081 atgtgcacac gagtacgttt atgcatgtgt gcataacttg gatagcactg tatataggtt
169141 ttgtttgttt gtttgattgt ttttagagaca gggctctcct ctgtcactga ggctggagtg
169201 cagtgatgca atcatagctc actgcagcct ggaactcatc tgctgcactc aagggatctt
169261 cccacctcag ccttaagagc agctgggatt acagggtgtgc atcaccatgc ctggataagt
169321 tttaaaacaa tttttttgta gagacagggg ctcattatgt tgctcaggct ggtcttgaac
169381 tcttgccctc acgtgatect cccaccccag cctcccaagt agctggaatt ataggcatga
169441 gccactgtgc ctggcaacag ctgtctaaat tattttttac aaggcattca gaacacattc
169501 aataagatat ttttctacag cactgtattt attagctagg ttaacatttc catatataga
169561 tgttctaagt gaatttaaatt tatttctatt attttgcttt tatgaactct atttgagtga
169621 tattcttgta actgaatagt tgaaactatt attaaactct tagggaaatt ccttaaattg
169681 gaattgagag gtcagaaggt gtgtcatttt ttaacagttt tgatacattt tgctaaatgt
169741 gccaggcaat ttaaggcaca ctcccaccac aacatacaaa atgcagctct cctcaatate
169801 gtcttccagt cttagttgaa aattaatcac catttgataa gtgaaacaaa atttccctaa
169861 ttactagtaa gattgaagga tagtttcatg tttttttgac caactgtttt tctattatat
169921 tcttattggg ttataagagc atttttagccg gacttggtgg ctcatgccta taatcccagc
169981 actttgggag gccaaagggtg gtggatcact tgagggtcagg agttcaagac cagcctggcc
170041 aacatgatga aacccccact ctactaaaaa taaaaaaact agccgggcct ggtggcaggc
170101 acctgtaate ccagctactc gggaggctga ggcaggagaa tcacttgaac ccaggaggca
170161 gaggttgcag tgagccaaga tcgcgccact gcactccaac ctgggcaaca aagcgagatt
170221 ccatctcaaa aaaaaaaaaa aaggcatttt aattactaaa tatattgctg gttgtggtgg
170281 cttgtgtctg tagtcccagc tacttggttg aggccaaagag tttgagcctg ggcaatacaa
170341 cagggcccta tctgtaatta catcttcccg gtttgcgta accttgatat aatttgtttt
170401 aagttcagat actcaaactc cttctttcca gcacctatct ttatctttcc atatgcctag
170461 aaggatatca tccactatct acctaaagtat caccctttcc tatgtcccat tccctaaata
170521 gagtttagac atttcaattg gcatttaaaa gtccctcaca aggcactacg atgtcttgtt
170581 tttcactact gccatccaca aatctttctt ttatccatcc atttgttcat ttattcattt
170641 gtcacctatt tactaagcac ctattatgta ccaggcatca ttctagacac tggggatata
170701 ggagtgaaca cateccctacc cctaaggagg ctgaattttt agtgccactg aagacaaaact
170761 gaaaaggtaa gaaaatgtat atagttggct ggatgggtgat aagtactata gaaaacaata
170821 aagcagtaaa gtagggtagg aaattcaggg agagagtga atcttacata gaatagtcag
170881 ggagaacttc actgaaaatg taatacatat ttgaggaaga gtgtgaggat ggtgactgat
170941 atgggttggc tgtgtcccta cccaaatctc atcttgaact gtagctccca taattcccat
171001 gtgtcatggg ggggacctgg tgagaggtaa ctgaatcatg ggactgggtc tttcccatgc
171061 tgttctcata gtggtaaaata agtctcacga gatctgatgg ttttataaat ggtagaccct
171121 acacactctc ttgcctgcca ccatgtaaga catgactttg ctcctcattc gccttcagct
171181 atgattctga ggcctcccca gccatgtgga gctgtgaate aattaaacct ttttcattta
171241 taaattaccc agtcttgggt atgtctttat tagcagcgtg agaacagact gatacagtga
171301 cagaatgggc caagtgctat ccaaggaggaga agcattccag tatgggaaaag agtgtgtgca
171361 gagagcctgc gggggagagg ggggaaggagg agcatacctc ctggatttga acaccagcaa
171421 ggaagccagt aatgctggaa cagagtgggc aaagagggta gttgaggcag ggatagggaa
171481 tgggtcatgc aggggtttgt agaccactgt agagtctttg gcttttactt caaaggaaac
171541 gggaagccat tttgagggtg tggtaaattg tgtttccaaa gatggcagca gaaatatctc
171601 acacctcaca tagtcttttg caatgtgatc ttgtcactgt cctaagaaga gatggggtct
171661 ctttcccttt tcttgaatt tgggctgagc ctaaaccaat cctgacgaac agaacttagt
171721 tctgtaacta gattctgtaa tactgtaaat tccagactgg gccttaggaa ctgttttaga

4 10 16 22 28 34 40 46 52 58 64 70 76 82 88 94 100 106 112 118 124 130 136 142 148 154 160 166 172 178 184 190 196 202 208 214 220 226 232 238 244 250 256 262 268 274 280 286 292 298 304 310 316 322 328 334 340 346 352 358 364 370 376 382 388 394 400 406 412 418 424 430 436 442 448 454 460 466 472 478 484 490 496 502 508 514 520 526 532 538 544 550 556 562 568 574 580 586 592 598 604 610 616 622 628 634 640 646 652 658 664 670 676 682 688 694 700 706 712 718 724 730 736 742 748 754 760 766 772 778 784 790 796 802 808 814 820 826 832 838 844 850 856 862 868 874 880 886 892 898 904 910 916 922 928 934 940 946 952 958 964 970 976 982 988 994

FIGURE 3 (continued)

171781	agccttcctt	tcaccgcttg	aaatgctcct	tcttggaaacc	cagaaggcat	atggagaaag
171841	atacgtagaa	gagaaccaag	gccagccat	tctggcctag	ttgagcattt	ctgccagccc
171901	ctagctttca	agccagccag	ttgaagccgc	ggacaccaga	taacagagat	gagccatggt
171961	caacatgctc	tgcacaaatt	tttcccccc	aaacccatgag	caaataatag	caattgttgt
172021	tttaaaccat	taagtttttag	tgtgatttgt	tactgatgac	aaaagagaca	aataagagatg
172081	aactaaatag	cacggggccac	aggggagtag	gcacgagacc	ccacagttac	tttcttgaaa
172141	ttcctagacc	ccctcctgct	tctgtaagga	actccagggtc	tgggttaatc	acaaactgat
172201	gactattcca	agaagcactg	tactccttag	ctaatacatct	gttagcttat	ttctgttaac
172261	taatggattt	tctatatgaa	catgctgaga	ccaccttggt	gtatctcctc	atgttgttcc
172321	ttaaaatctg	cttghtaacca	ccccaacctg	gagcacctcc	tggacttggt	atataagtgc
172381	ttcccagggt	gcaatcctca	aatttggccc	aaataaaactc	tttacctata	tgcatttgcc
172441	ttagtctctt	ttttttttat	ttccaccatg	cctggctaata	ttttaaatct	ttttagagagt
172501	caagatctca	ttatgttgct	caggctgggtc	tcaaactctg	gggatcaagt	gacccctcta
172561	cctcggcctc	ccaatgtgct	gggattacag	gtgtgagcca	ccgtgcctgg	cccttagttc
172621	tttctttcag	attgacatta	cacagcaata	ggggactgga	ataaaaaattg	gcaccagaac
172681	atgaaatact	actggaatga	aaacctaaag	ccaattgcta	catgtttggg	accaagtaac
172741	acatagaaga	ctgaagagca	gtgagaaggc	tgttgggtgc	ttcacatggt	ttgatatttg
172801	tccctcccaa	atctcatggt	gaaatgtaat	cctcagcgtt	ggaggtgggg	cctggtggga
172861	gggtgcatgg	ttgcagatcc	ctcatggctt	gggtgctgct	tgcgaatagt	aagtctcat
172921	gagatctggg	tgtgtgtggc	acctctccct	acctgctcct	cttcttgcca	tgtgacgtgc
172981	ctgctcgcac	ttcaccttcc	acagttagta	aaagctcact	gaggcctctc	cagaagccga
173041	gcagatgcca	gtaccaatgc	ttatactgcc	tgcagaacta	tgagccaaat	aaaccccttt
173101	tctctataaa	ttacccagtc	ttgggtattc	cttttagagca	atgcaagaaa	ggcctaacac
173161	tagcctaaaa	cagggaggaa	aaacttgctc	ttgctcttgt	gggctagaga	aaagggggcc
173221	tgagttacat	actggcagct	caattacact	gtcacttgta	gcaatgtgga	agatggtaca
173281	tgtgttcatg	aactggctaa	ggacattttc	atgcagagtg	ctgaaaatgc	caagtggctt
173341	gtaatagtgt	ataatgtaca	gaaagagata	aactaaagag	ggaaatgttc	acctttcaag
173401	caaatttttag	aagaatatag	agggcccaag	actgtctgag	tcagttagca	gcgtgttcta
173461	aaatcaaaat	aaaacttgga	ggcaaagaac	aaatctaaga	tgctgtaacc	gcccacgaa
173521	ttttccttgc	ccactgccta	ggcagactca	atttaagaca	ggggaattac	aataaagagt
173581	ttaatccaca	cacagtcac	tgtacgggag	actggagtgt	tattattacg	caaatacgtc
173641	tccctaaaga	cttgggatgg	ggtttttaag	gataatttgg	tgggcagggg	gtcagaaaagt
173701	ggggactact	gattggttag	gtcagagatg	aaatcacagg	gagttgaagc	tgtcctctgg
173761	tgctgagtca	gttcctgggt	ggggggccaca	agaccagatg	aaccaattta	tcaatctggt
173821	tagggacagc	tgatccatcg	agtgcagggt	ctccaaaata	cctgttatct	ggaggagcaa
173881	tttggagggg	tttagaatct	tgccacctcc	agctgcatga	ctcctaaacc	acaatttcta
173941	atcttgtagc	taatttggtta	gtcctgcaaa	ggcagtttat	agttcccagg	ctaaaagggt
174001	gtttgttcag	ggaaagggtc	ggtaccatct	ttgtttcaaa	gttaaaactat	aggccggggc
174061	tggtggctca	cacctgtaat	cccagcacgt	tggaaaggccg	aggcaggcag	atcatttgag
174121	atcaggaggt	cgagaccagc	ctggccaaca	tggtgaaacc	ctgtctctac	taaaaaataca
174181	aaaattagtc	tggcgtgggtg	gcgtgcacct	gtagtccag	ctactcagga	ggctgacgca
174241	ggagaatcgt	ttgaaccag	gaggtggaga	ttgcagttag	ccaagatggg	gccactgcac
174301	tccagcctgg	gtgatagagt	gagactctgt	ctcaaaaaca	aacaaaaca	aataaacaac
174361	aacaacaaaa	aacaaagtta	aactgtaagt	taagttcctt	ccaaaattag	ttcagcctac
174421	acccaggaat	gaacaaggac	agcttggagg	ttaggaacaa	atcagtaagt	taggtcacat
174481	ctctttcatt	gtcataatcc	tctcagttat	aatttatgca	aaggtgggtt	cgatgccaca
174541	agtaaaacgt	ggcctctggt	caacatgagg	ccctttgtta	aaatcccaga	aagatgtaag
174601	gaattgcttc	tcaaaccctc	atggttagtt	agacaaacag	gcttctgaaa	gaacaagtgt
174661	gttctcacac	agcacctga	catgcacccc	agagagggag	cgtatcttaa	aaagattggg
174721	ggagatgggt	tttatctaac	acagtgaatc	ccagtaaaat	ccacagaaaa	ctcacaatgt
174781	ttttaagaga	actgaactaa	cacaagcacc	actagcttgg	actaaaatgg	acaaagactg
174841	ttcaaaaaca	agccactggg	ctcctaacca	tttactggca	ggaaataggc	tgaggaaact

FIGURE 3 (continued)

174901 atttggctgc aaatcagggt ttttgttggt gagatagggt ctctccggt gcccaggctg
174961 gagcacaatg gcacaatcac aactcactat aacctctgcc tccctggagt agctaggact
175021 ataggcacat gccaccaagc ccgcctaatt tttgtatatt ttgtagagac ggggtttcac
175081 catattgccc aggctggtct tgaactccca gcctcaagt atcctccgc gtcagcctcc
175141 caaaatggtg ggattacagg catgagccac cacgccagg ccaatcacgc tttttcaaat
175201 agtaaaggaa ggccgaccca gaaggaggag ttaggaagta aatcagggtc agctgtgtgt
175261 ggataaggct ccacagggat ggctctgtgg gtgcaggag ccaagaacta aaaagacaag
175321 ttatctgcct cccacattcc ttgtacaat tgaggaggaa aaagataact acaatagaga
175381 atccctttca aaaagtaagg atgagtgtat gaaatctgaa taaggtttgc agtgcagttt
175441 aaacagttca tagtgtccag tgcttctgat aggtcaagta aagtaaggac gatggacgtg
175501 gcaacatgga agtcacccat gacttcgaaa agcagttttc aatttaagt tgtgaaagct
175561 t

174901 atttggctgc aaatcagggt ttttgttggt gagatagggt ctctccggt gcccaggctg

FIGURE 4

1	mlaprgaavl	llhlvlqrwl	aagaqatpqv	fdllpsssqv	lnpgallpvl	tdpalndlyv
61	istfklqtks	satifglyss	tdnskyfeft	vmgrlskail	rylkndgkvh	lvvfnnlqla
121	dgrhrhiller	lsnlqrgags	lelyldciqv	dsvhnlpraf	agpsqkpeti	elrtfqrkpb
181	dfleelklvv	rgslfqvasl	qdcflqqsep	laatgtgdfn	rqlflgqmtql	nqllgevkdl
241	lrqqvketsf	lrintiaecqa	cgplkfqspst	pstvvapapp	apptrpprrc	dsnpctfrgvq
301	ctdsrdgfgc	gpcpegytgn	gitcidvdec	kyhpcypgvh	cinlspgfrc	dacpvvgftgp
361	mvqgvgisfa	ksnkqvctdi	decrngacvp	nsicvntlgs	yrccgpcckpgy	tgdaqirgckv
421	erncrnpeln	pcsvnaqcie	erqgdvtcvc	vgwgagdyi	cgkdvdidsy	pdeelpcsar
481	nckkdncxyv	pnsqgedadr	dgigdaced	adgdgilneq	dncvlihnvd	qrnsdkdifg
541	dacdncslsvl	nndqkdtgdg	grgdacdddm	dgdgiknild	ncpkfpnrdrq	rdkdgdgvgd
601	acdscpdvsn	pnqsdvdndl	vgdscdtngd	sdgdghqdst	dncptvinsa	qldtdkdgig
661	decdddddnd	gipdlvppgp	dncrlvpnpa	qedsnsdgvv	dicesdfdq	qvidridvcp
721	enaevlttdf	rayqtvglp	egdaqidpnw	vvlnggmeiv	qtmnsdpkla	vgytafngvd
781	fegtfhvntq	tdddyagfif	gyqdsssfyv	vmwkqteqty	wqatpfra	epgiqlkavk
841	sktgpgehlr	nslwhtgdt	dqvrlwkds	rvgwkdkvs	yrwflqhrpq	vgyirvrbye
901	gselvadsgv	tidttmrgr	lgvfccsqen	iiwsnlkyrc	ndtipedfge	fqtqnfrdrf
961	n					

[illegible]